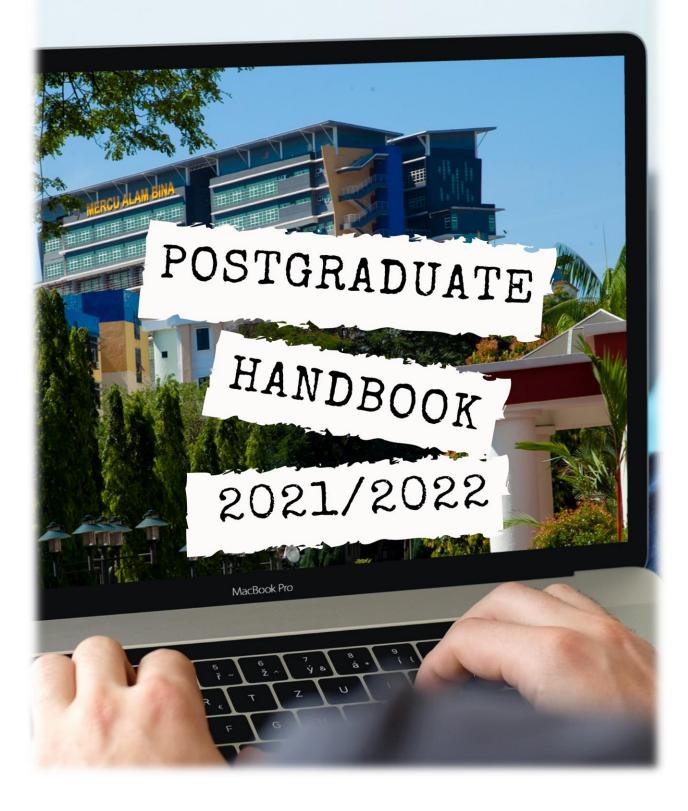


FACULTY OF BUILT ENVIRONMENT UNIVERSITI MALAYA



DEAN'S MESSAGE

UM is constantly climbing up the ladder in the global rankings of universities and is highly recognized worldwide as one of the top universities in the world

The latest Asian University Rankings showed that University of Malaya has improved its ranking from 13 in 2020 to 9 in 2021. With this improvement, UM is now within the top 1% percent of World's Universities.



Assalamu'alaikum Warahmatullahi Wabarakatuh and Selamat Sejahtera.

Congratulations and welcome new students of the Faculty of Built Environment (FBE), a truly extraordinary group of students who are enrolled in the era of Covid19 pandemic. On behalf of the entire FBE community, I am thrilled that you will be coming to FBE and joining us to explore a new experience of your life.

I know you are preparing for the start of your university experience under a particularly challenging set of conditions. Throughout the past few months, you have shown great resilience in creating new traditions and finding alternate ways to celebrate cherished milestones with the new normal. Even as the Covid-19 continues to transform our world, the FBE community spirit remains as strong and as vital as ever. The entire university community has responded to these recent challenges with ingenuity, compassion and a shared commitment to our mission. We are eager for you to join us and engage in FBE's transformative education, and we know that you are eager for information about what your FBE experience will look like under these unique circumstances. While your first semester at FBE will look different from our previous semesters, please know that we are committed to designing and delivering an outstanding experience for you this time.

The FBE offers a comprehensive range of degree programs that are distinctive within Malaysia and South East Asia Region. All programs are accredited by the Malaysian Qualifying Agency (MQA), local and international professional bodies. The programs bring theory to practice through rigorous curricula led by experts in their fields, providing opportunities for students to excel academically and professionally. Hence, the broad range of programs provide unique research, teaching and learning opportunities tailored to undergraduate in an environment which enables intellectual risk, choice and critical rigour to flourish.

The FBE welcomes you again into this vibrant environment where you will be part of a diverse student body in which students are holistically developed as confident, innovative, knowledgeable and future ready professionals. Finally, I want to reiterate that the safety of you is of the utmost importance. While keeping that foremost in our thoughts, we can continue to work together, remain determined, and move towards a better tomorrow.

Good luck and enjoy your studies! We cannot wait to meet you!

Sincerely,

PROFESSOR DR SR ANUAR ALIAS Dean

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ABOUT THE UNIVERSITI MALAYA



The **Universit Malaya** (**UM**) is a public research university located in Kuala Lumpur, Malaysia. It is the oldest university in Malaysia and is the highest ranking Malaysian institution of higher education according to several international ranking agencies. The university has graduated two Prime Ministers of Malaysia and other political, business, and cultural figures of national prominence.

The predecessor of the university, King Edward VII College of Medicine, was established on 28 September 1905 in Singapore, then a territory of the British Raj. In October 1949, the merger of the King Edward VII College of Medicine and Raffles College created the university. Rapid growth during its first decade caused the university to organize as two autonomous divisions on 15 January 1959, one located in Singapore and the other in Kuala Lumpur.

In 1960, the government of Malaysia indicated that these two divisions should become autonomous and separate national universities. One branch was located in Singapore, later becoming the National University of Singapore after the independence of Singapore from Malaysia, and the other branch was located in Kuala Lumpur, retaining the name Universiti Malaya. Legislation was passed in 1961 and the University of Malaya was established on 1 January 1962. In 2012, UM was granted autonomy by the Ministry of Higher Education.

Today, UM has more than 2,500 academic staff and 3,500 non-academic staff and divided into 14 faculties, two academies and three academic centres. In 2021 QS World University Rankings, UM ranked at 59th in the world, 9th in Asia, 3rd in Southeast Asia and the highest ranked learning institution in Malaysia

ABOUT THE FACULTY OF BUILT ENVIRONMENT



The Faculty of Built Environment (FBE; Malay: Fakulti Alam Bina) offers five undergraduate professional programmes tailored to meet the nation's construction and real estate sectors' manpower needs. These programmes are accredited at the national and international levels.

The Faculty of Built Environment (FBE) offers five undergraduate professional programmes tailored to meet the nation's construction and real estate sectors' manpower needs. These programmes are accredited at the national and international levels.

The Bachelor of Science in Architecture programme is accredited with Part I recognition by the Board of Architects Malaysia (LAM).

The same programme is also accredited by the Royal Institute of British Architecture (RIBA, UK) since 2005, which also leads to its Part I accreditation. This recognition is considered an achievement as it is the first programme in Malaysia recognised by RIBA and one of only five universities in East Asia.

The Bachelor of Building Surveying programme was developed based on the Programme Standards: Building Surveying by Malaysian Qualifications Agency (MQA). The programme is accredited by the Royal Institution of Surveyors Malaysia (RISM) and the Royal Institution of Surveyors (RICS, UK).

Meanwhile, the Bachelor of Real Estate programme is accredited by the Board of Valuers, Appraisers, Estate Agents and Property Managers, Malaysia (BOVEAP) as well as Royal Institution of Chartered Surveyors (RICS, UK).

FBE's Bachelor of Quantity Surveying programme earned its accreditation from the Board of Quantity Surveyors Malaysia (BQSM). Additionally, the programme is also accredited by the Royal Institution of Chartered Surveyors (RICS, UK) since 2004 as well as the Pacific Association of Quantity Surveyors (PAQS) since 2017. This programme was the first in Malaysia to receive the RICS accreditation and the second programme from public university accredited by PAQS.

Established in 2011 the Bachelor of Urban and Regional Planning is the fifth undergraduate programme in FBE and is accredited by the Board of Town Planners Malaysia (BTPM).

Since its establishment 24 years ago, FBE has always managed to attract the best achievers from high schools as well as from foundation and matriculation centres. Additionally, FBE also receives applications from other countries. This is well reflected by the high entry point requirements needed for candidates to be considered for intake. Some of our students have shown their achievements and competitiveness by winning numerous awards and medals both locally and internationally. In addition, our students also have an opportunity to be part of outbound exchange programmes abroad and to experience cross-cultural learning from international inbound students.

FBE's graduates are not only highly demanded in Malaysia but also regularly employed in different parts of the world such as the United Kingdom, Canada, Australia, New Zealand, the Middle East countries, African countries, Singapore, China, Hong Kong SAR, Pakistan, Bangladesh, Brunei and Indonesia, to name a few. Thus, FBE is at the forefront of training students with a high degree of international recognition consistent with national aspirations of creating 'Globalised Malaysians'.

The FBE offers two (2) postgraduate research programmes namely Doctor of Philosophy (PhD) in Built Environment and Master of Built Environment. Additionally, FBE also offers four (4) master by coursework programmes namely Master of Real Estate (MRE), Master of Project Management (MPM), Master of Facilities and Maintenance Management (MFMM) and also Master of Architecture (M.Arch). Both MRE and MFMM programmes are accredited by the RICS (UK) while its 2-year M.Arch programme leads to Part II recognition by LAM and RIBA.

The challenges faced by FBE in the oldest and most prestigious university in Malaysia have inspired it to be regarded as a centre of excellence in the development and dissemination of knowledge and professionalism in the field of the built environment, both nationally and regionally. The FBE has occupied the 10-storey Mercu Alam Bina since October 2012, which is a state-of-the-art building while transforming it as a living lab for research.

VISION, MISSION AND OBJECTIVES

UNIVERSITI MALAYA

VISSION

A global university impacting the world.

MISSION

Pushing the boundaries of knowledge and nurturing aspiring leaders

CORE VALUES

Р	:	Passion
0	:	Oneness
Ι	:	Integrity
S	:	Sincerity
Е	:	Empathy

QUALITY POLICY

Universiti Malaya is committed to conduct teaching and learning, carry out research and provide quality services on a global level, generate and enhance knowledge through continuous improvement efforts for the benefit of all stakeholders, especially Universiti Malaya's students.

FACULTY OF BUILT ENVIRONMENT

VISION

To be an internationally renowned Faculty of Built Environment in research, innovation, publication and teaching

MISSION

To advance knowledge and learning through quality research and education for the nation and for humanity

OBJECTIVES

- To be the centre of excellence in the built environment studies and to meet the demands of the construction industry in producing a responsible and competent professionals in the future.
- To create a healthy and conducive intellectual environment, equipping its graduates in the ever rapidly changing future.
- To strengthen research centres, in line with its position as the leading university in Malaysia, recognised on the territorial, national and international levels.
- To contribute knowledge and give consultation to society and the nation in the field of built environment for the development and the well-being of the world.

ADMINISTRATIVE MANAGEMENT CHART





Senior Assistant Registrar (Postgraduate)



NOR AZLINA ABDULLAH Senior Assistant Registrar (Undergraduate)

Updated as of 1 October 2021

ACADEMIC CALENDAR 2021/2022 SESSION

	SEMESTER I	
Course Registration (Module) Lectures Mid Semester Break I Lectures Revision Week Examination Semester I Semester Break	2 weeks 7 weeks* 1 week 7 weeks* 1 week 2 weeks 3 weeks 23 weeks	24.09.2021 - 08.10.2021 18.10.2021 - 05.12.2021 06.12.2021 - 12.12.2021 13.12.2021 - 30.01.2022 31.01.2022 - 20.02.2022 07.02.2022 - 13.03.2022 21.02.2022 - 13.03.2022
	SEMESTER II	
Course Registration (Module) Lectures Mid Semester Break II Lectures Revision Week Examination Semester II	2 weeks 7 weeks* 1 week 7 weeks* 1 week 2 weeks* 20 weeks	18.02.2022 - 04.03.2022 14.03.2022 - 01.05.2022 02.05.2022 - 08.05.2022 09.05.2022 - 26.06.2022 27.06.2022 - 03.07.2022 04.07.2022 - 17.07.2022
SI	EMESTER BREAK	
Semester Break	9 weeks	18.07.2022 - 18.09.2022
SP	ECIAL SEMESTER	ર
Course Registration (Module) Lectures Examination Special Semester Special Semester Break	1 week 7 weeks* 1 week 1 week 10 weeks	01.07.2022 - 08.07.2022 18.07.2022 - 04.09.2022 05.09.2022 - 11.09.2022 12.09.2022 - 18.09.2022

Malaysia Public Holiday

National Day (31 August 2021)ChineseMalaysia Day (16 September 2021)NuzulMaulidur Rasul (19 October 2021)LabouDeepavali (4 November 2021)Eidul HChristmas Day (25 December 2021)WesalNew Year (1 January 2022)His MaThaipusam (18 January 2022)Eidul HFederal Territory Day (1 February 2022)Awal M

Chinese New Year (1 & 2 February 2022) Nuzul Al-Quran (19 April 2022) Labour Day (1 May 2022) Eidul Fitri (2 & 3 May 2022) Wesak Day (15 May 2022) His Majesty's King's Birthday (6 June 2022) Eidul Adha (9 July 2022) Awal Muharam (30 July 2022) National Day (31 August 2022

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DEPARTMENT OF ARCHITECTURE

HEAD OF DEPARTMENT



Ar DR. HELENA AMAN HASHIM

PhD, University of Malaya B.Arch, University of Miami, USA APAM, LAM Professional Architect Tel: 03-7967 6373/ 6839 E-mail: helena@um.edu.my

Area(s) of Expertise

- Cultural Heritage
- Building Conservation
- Heritage Policy & Guidelines
- Inventory
- Cultural Mapping and History
- Materials

PROFESSOR



PROFESSOR DR. YAHAYA AHMAD, D.J.N (PP) PhD (Conservation Management), University of Liverpool, UK MA (Architecture), Washington University, USA MConst Mgmt., Washington University, USA BA, Washington University, USA Registered Conservator, MRISM Tel: 03-7967 5395 E-mail: yahaya@um.edu.my

Area(s) of Expertise

- Vernacular Architecture (vernacular Architecture)
- Conservation of Historic Buildings (conservation, Heritage, Historic)
- Conservation Management (conservation Policy, Management)

ASSOCIATE PROFESSORS



ASSOCIATE PROFESSOR DR. NAZIATY MOHD YAACOB

PhD (Universal Design), University of Salford, UK MSc (Architecture), University of College London, UK PG Dipl (Architecture), North London Polytechnic, UK BA(Architecture), Leicester Polytechnic, UK Dipl. (Architecture), University Technology Malaysia LAM/RIBA Part I & II Tel: 03-7967 5396

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Area(s) of Expertise

 Design Studio Practice (sustainable Design, Ecological Design, Sustainable Design in Education & Practice)

- History and Philosophy of Sciences & Technology (architecture Theory & Philosophy)
- Tertiary Education (architectural Education, Experiential Learning, Studio-based Learning)



ASSOCIATE PROFESSOR DR. HAZREENA HUSSEIN

PhD (Landscape Architecture), Edinburgh College of Art, UK MA (Landscape Research), Manchester Metropolitan University, UK PG Dipl. (Landscape Architecture), University of Sheffield, UK BA (Hons) Landscape Design, Manchester Metropolitan University, UK Dipl. Seni (Rupabumi), Institute Technology Mara Tel: 03-7967 7674 E-mail: reenalambina@um.edu.my

Area(s) of Expertise

- Person-environment Interactions
- Inclusive Access to Outdoor Environments
- Multi-sensory Stimulation Environments



ASSOCIATE PROFESSOR DR. TS NAZLI CHE DIN

PhD (Engineering), Oita University, Japan M.Eng. (Architecture), Oita University, Japan B.Eng (Architecture), Oita University, Japan Tel: 03-7967 7602 E-mail: nazlichedin@um.edu.my

Area(s) of Expertise

- Acoustics (building Acoustics)
- Noise Pollution (noise)
- Architectural & Environmental (sustainability)



ASSOCIATE PROFESSOR DR. PAYAM SHAFIGH

PhD (Structural Engineering & Materials), University of Malaya MSc (Structural Engineering), University of Mazandaran, Iran BSc (Civil Engineering), University of Mazandaran, Iran Tel: 03-7967 2464 e-mail: pshafigh@um.edu.my

Area(s) of Expertise

- Structural Engineering (Concrete Technology)
- Structural Engineering (Concrete Structure)
- Structural Engineering (Concrete Composite)
- Structural Engineering (Concrete Pavement)

ASSOCIATE PROFESSORS (INDUSTRY)



ASSOCIATE PROFESSOR (INDUSTRY) Ar SARLY ADRE SARKUM

B.Arch Hons, Universiti Sains Malaysia B.A. Arch Hons, Liverpool University, UK LAM Professional Architect Tel: 03-8688 3830 E-mail: sarly@um.edu.my

Area(s) of Expertise

- Green Architecture and Net Zero Carbon Building (green Buildings
- Net Zero Carbon Building
- Net Zero Energy Buildings
- Sustainable Cities
- Biophilic Design



ASSOCIATE PROFESSOR (INDUSTRY) Ar ZURAINA LEILI AWALUDDIN

B.Arch, University of Newcastle, UK Dip. (Architecture), Universiti Teknologi Malaysia (UTM) APAM, LAM Professional Architect Tel: 03-7967 6825 E-mail: zurainaleily@um.edu.my

Area(s) of Expertise

- Preservation And Conservation (heritage, Conservation)
- Corporations And Associations Law (law For The Architect And Architectural Practices)
- International Negotiations On Architectural Practices (international Architectural Practices, WTO, APEC, ASEAN, UIA Accord)
- Interior Design Works (interior Design, Government Offices, Parliament House)

ASSOCIATE PROFESSOR (INDUSTRY) HIROYUKI SUBE



MArch, University College London (Bartlett), UK BArch (Hons), Tokyo University of Science LAM I & II Tel: 03-7967 5373 / 5216 E-mail: hiroyuki.sube@um.edu.my

<u>Area(s) of Expertise</u>

Architectural Design



ASSOCIATE PROFESSOR (INDUSTRY) AR. GARY WONG WAI CHOONG

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SENIOR LECTURERS



ATI ROSEMARY MOHD ARIFFIN

MA (Urban Design), Oxford Brookes University, UK Pg.Dip (Architecture), Oxford Brookes University, UK Pg.Dipl. (Urban Design), Oxford Brookes University, UK Dipl. (Architecture), Institute Technology MARA Tel: 03-7967 5393 E-mail: aa_alambina@um.edu.my

Area(s) of Expertise

- Riverfront Development & Regeneration (River, Development, Urban Regeneration)
- Sustainable Designs (sustainable, Design, Passive Design, Active Design, Hybrid Buildings, Low Energy, Paasive Architecture, Green Architecture)
- Energy Efficient Architecture (energy, Energy Efficient, Architecture)



DR. MUHAMMAD AZZAM ISMAIL

PhD (Built Environment), University of New South Wales, AUS BArch (Hons), University of Malaya BArch, University of Glasgow, UK LAM/RIBA I & II Tel: 03-7967 5373 / 7613

E-mail: ma.ismail@um.edu.my

<u>Area(s) of Expertise</u>

• Built Environment (environmental Sustainable Design)



DR. NORAFIDA AB. GHAFAR

PhD (Sustainable Architecture), University of Nottingham, UK MA (Urban Design), Oxford Brookes University, UK Pg.Dipl. (Architecture), Oxford Brookes University, UK Pg.Dipl. (Urban Design), Oxford Brookes University, UK Dipl. (Architecture), Institute Technology MARA Tel: 03- 7967 5392 E-mail: norafida@um.edu.my

Area(s) of Expertise

- Building Thermal Performance (passive Solar Atrium Design)
- Housing (low Cost, High Density Housing)
- Building Construction
- Urban Design (urban Housing)
- Islamic Architecture (mosque Architecture)



DR. MASTURA ADAM

PhD (Urban Design), University of Salford, UK MA (Urban Design), Oxford Brookes University, UK PG Dipl. (Architecture), Oxford Brookes University, UK, Dipl. (Architecture), Institute Technology Mara Tel: 03-7967 5331 E-mail: mastura@um.edu.my

Area(s) of Expertise

- Heritage and Conservation (conservation of Heritage Buildings, Measured Drwaings Recording and Documentation)
- Graphics Arts (architectural Graphic Communication)
- Design Studio Practice (Architectural Design Studio, Architectural Graphic and Communication, Architectural History, Building Construction, Interior Architecture)
- (Sustainable Urban Development, Place Making Design and Management)
- Universal Design for Vulnarable (Universal Design for NNT and People With Disability (PWD), Walkability in the Pedestrian Environment (PE) in the City; Travel Behavior For Non-motorised Transport User (NMT))

Ar ANIZA ABDUL AZIZ

B.Arch, Louisiana State University, USA APAM, LAM Professional Architect Tel: 03-7967 4586 E-mail: anizaziz@um.edu.my

Area(s) of Expertise

- Building and Construction (Building Construction)
- Built Environment (Water Recticulation And Supply, Building Drainage and Sewerage)
- Professional Practice (architectural Practice)



DR. ASRUL MAHJUDDIN RESSANG AMINUDDIN

PhD (Architecture), University of Northigham, UK (2018) M.Sc (Construction Management), Institute Technology MARA Pg.Dipl. (Architecture), Polytechnic of Central London, UK Canterbury College of Art (RIBA Part I) Dipl. (Architecture), University Technology Malaysia Tel: 03-7967 2454 E-mail: asruImahjuddin@um.edu.my

<u>Area(s) of Expertise</u>

- Sustainable Building Design (Sustainablity)
- Social Housing (High Rise Housing)
- Building Construction (Building Construction)



DR. HAZRINA HAJA BAVA MOHIDIN

PhD (Architecture), Universiti Teknologi Malaysia (UTM) B.Arch, Universiti Teknologi Malaysia (UTM) Tel: 03-7967 5392 E-mail: hazrinahaja@um.edu.my

Area(s) of Expertise

• Theory and Philosophy of Architecture, (theory of Architecture, History and Theory of Architecture, Malaysian Architecture)

Ar. DR. MOHD FIRRDHAUS BIN MOHD SAHABUDDIN



DHd (Sustainable Architecture), University of Strathclyde M.Sc. Advanced Sustainable Design, University of Edinburgh Bachelor of Architecture, UTM (2004) Diploma in Architecture, UTM (2001) Tel: 03-7967 2459 E-mail: firrdhaus@um.edu.my

Area(s) of Expertise

- Air Pollution Engineering (Indoor Air Quality)
- Building Design (Sustainable Architecture)
- Built Environment (Thermal Comfort)



DR. LIYANA BINTI HASNAN

Tel: 03-7967 xxx E-mail: xxx@um.edu.my

Area(s) of Expertise



DR. NURDIYANA BINTI ZAINAL ABIDIN Tel: 03-7967 xxx E-mail: xxx@um.edu.my

Area(s) of Expertise



DR. LINDA SHAFARINA BINTI HASSAN Tel: 03-7967 xxx E-mail: xxx@um.edu.my

Area(s) of Expertise

LECTURERS



ASRUL SANI ABDUL RAZAK M.Sc (Design & Digital Media), University of Edinburgh, UK MA (Hons), University of Edinburgh, UK B.Arch, University of Edinburgh, UK LAM/RIBA Part I & II Tel: 03-7967 5217 E-mail: asrulsani@um.edu.my

Area(s) of Expertise

- Architecture Education (Theory; Design; Learning)
- Architecture Technology (Design Media; Digital Construction Practice)

EMIRITUS PROFESSOR



EMIRITUS PROFESSOR EZRIN ERBI

Emeritus Professor, Universiti Malaya, 2014 BSc.(Architecture), Univesity of Melbourne, Australia

Level 9, Mercu Alam Bina Faculty of Built Environment Universiti Malaya 50603 Kuala Lumpur

EXTERNAL ASSESSORS



Ar DAVID TEH Bachelor of Architecture, University of Melbourne

Director of Pakatan Reka Arkitek Sdn Bhd 44 Persiaran 65C Pekeliling Business Centre Off Jalan Pahang Barat 53000 Kuala Lumpur

Appointed from 2018/2019 until 2021/2022

ADMINISTRATIVE STAFF



HASNITA BINTI MOHD ZHARI Senior Administrative Assistant (Clerical and Operational) Department of Architecture 03 – 7967 6899 hasrh@um.edu.my

DEPARTMENT OF BUILDING SURVEYING

HEAD OF DEPARTMENT



Dr. Sr RAHA SULAIMAN

PhD (Building Services), University of Malaya MSc (Building Services Eng. Management), Heriot-Watt University, UK B (Hons with Distinction) (Bldg. Surveying), University of Malaya Dip (Architecture), Universiti Teknologi MARA MRISM

Tel : 03-7967 6836 / 03-7967 6813 e-mail: rahasulaiman@um.edu.my

Area(s) of Expertise

- Indoor Environmental Quality (users' Satisfaction and Sick Building Syndrome - Structural Equation Modelling (AMOS and PLS-SEM)
- Environmental Psychology
- Post Occupancy Evaluation

PROFESSOR



PROFESSOR DR. Sr Ts AZLAN SHAH ALI

PhD Built Environment (Building Refurbishment), Universiti Teknologi MARA MSc (Real Estate & Property Mgmt), University of Salford, UK MSc (Integrated Construction Project Management), Universiti Teknologi MARA B (Hons) (Building Surveying), Institut Teknologi MARA Prof. Dip. (Property Management Valuation Surveying), RISM Dip (Estate Management), Institut Teknologi MARA Chartered Surveyor, P.Tech. (Building & Construction, Registered Property Manager FRISM, FRICS, MSET Tel: 03-7967 4494

e-mail: asafab@um.edu.my

Area(s) of Expertise

- Facilities Management (Building Condition Assessment (BCA)
- Facilities Management (Building Maintenance Management)
- Building and Construction (Building Refurbishment)

PROFESSOR DR. Sr Ts SYAHRUL NIZAM KAMARUZZAMAN



PhD (Building), University of Manchester, UK MSc (Building Technology), University Science Malaysia BSc (Hons) (HBP), University Science Malaysia Cert. Building Services Eng. (POLIMAS) Reg. Build. Surveyor, P. Tech. (Building & Construction) FRISM, MSET, MIACSIT Tel: 03-7967 6833 e-mail: syahrulnizam@um.edu.my

Area(s) of Expertise

- Building and Construction
- Building Science and Performance

Facilities Management

ASSOCIATE PROFESSOR



ASSOCIATE PROFESSOR Sr DR. NORHAYATI MAHYUDDIN

PhD (Indoor Air Quality), University of Reading, UK MSc (Integrated Construction Project Management), Universiti Teknologi MARA BSc (Hons) (HBP-Architecture), University Science Malaysia MISIAQ, MRISM, MBEng Tel: 03-7967 6860 e-mail: hayati@um.edu.my

<u>Area(s) of Expertise</u>

- Indoor Environmental Quality (Indoor Air Quality, Ventilation and Thermal Performance)
- Computational Fluid Dynamic (CFD) Indoor Air Flow (CFD, Air Movement & Distributions)
- Built Environment (Sustainable Built Environment)

SENIOR LECTURERS



DR. Sr ZURAINI MD. ALI

PhD (Architectural Conservation), University of Sheffield, UK MSc [Construction Management (Risk) with Distinction], Glasgow Caledonian University, UK BSc (Architectural Studies), University of Illinois at Urbana-Champaign, USA Registered Conservator, MRISM, MICOMOS Tel: 03-7967 4588

e-mail: zuraini_mdali@um.edu.my

Area(s) of Expertise

- Heritage and Conservation (Building Condition Survey and Analysis)
- Architectural Conservation and History (Documentation and Practice)



DR. Sr NOR HANIZA ISHAK

PhD (Architecture), Universiti Kebangsaan Malaysia MSc (Integrated Construction Project Management), Universiti Teknologi MARA B (Hons) (Building Surveying), Universiti Teknologi MARA Djo (Architecture), Universiti Teknologi MARA MRISM, MSET

Tel: 03-7967 6858 e-mail: niza_alambina@um.edu.my

Area(s) of Expertise

- Building Performance and Surveying (Building Performance, Building Defects & Diagnosis, Building Condition & Dilapidation Survey, Timber Defects, Dampness)
- Project Management (Construction Project Management, Project Control & Monitoring, Problem Solving & Decision Making)
- Maintenance and Facilities Management (Building

Maintenance Management , Facilities Management, Planned Maintenance)



DR. Sr RODIAH ZAWAWI

PhD (Construction), Heriot-Watt University, UK M. Civ.Eng (Env.Eng), University of Technology Malaysia B. Civ.Eng (Hons), University of Technology Malaysia MRISM

Tel: 03-7967 4450 e-mail: rodiah31@um.edu.my

Area(s) of Expertise

- Heritage and Conservation (Lime Mortar, Lime Concrete, Clay Tile, Brick)
- Waste Water (Biological Treatment)
- Heritage and Conservation (Measured Drawing, Condition Survey, Building Pathology)



DR. Sr BRENNAN BRIT ANAK KAYAN

PhD (Construction Management), Heriot-Watt University, UK MSc (Building), University of Malaya BSc (Hons) (Building Surveying), University of Malaya Registered Conservator, MRISM Tel: 03-7967 6885 e-mail: brit284@um.edu.my

Area(s) of Expertise

- Green Maintenance and Materials
- Building Conservation
- Building Performance,
- Environmental Maintenance Impact
- Life-cycle Assessment and Sustainable Development (Green Maintenance, Green Materials, Low Carbon Materials, Embodied Energy, Carbon Emissions, Embodied Carbon Quantification, Life Cycle Assessment, Environmental Maintenance Impact)



DR. MOHAMAD RIZAL BAHARUM

PhD (Facilities Management), Liverpool John Moores University, UK MSc (Facilities Management), Herriot-Watt University, UK B (Hons) (Building Surveying), University of Malaya Dip (QS), University of Technology Malaysia Tel: 03-7967 7608 e-mail: mrizal@um.edu.my

Area(s) of Expertise

 Facilities Management (Performance; Risk; Waste Management; Facilities Design; Operation Research)

DR. Sr Ts FARID WAJDI AKASHAH



PhD (Fire Risk Assessment), Ulster University, UK B (Hons) (Building Surveying), University of Malaya MRISM

Tel: 03-7967 6874 e-mail: faridakashah@um.edu.my

Area(s) of Expertise

 Hazard Analysis and Risk Assessment (business Continuity Management, Fire Safety Design, Quantitative Fire Risk Assessment)



DR. AU YONG CHEONG PENG

PhD (Facilities Management), University of Malaya B (Hons) (Building Surveying), University of Malaya Graduate Member RISM Tel: 03-7967 6822 e-mail: auyongcp@um.edu.my

Area(s) of Expertise

- Building and Construction (building Performance)
- Facilities Management (building Maintenance)



DR. ZAHIRUDDIN FITRI ABU HASSAN

PhD (Civil Engineering), University of Dundee, UK MSc (Building Surveying), University of the West of England, UK B (Hons) (Building Surveying), University of Malaya Dip (QS), University of Technology Malaysia Graduate Member RISM Tel: 03-7967 7601

e-mail: zahiruddin@um.edu.my

<u>Area(s) of Expertise</u>

- Building and Construction (Construction Technology; Building Material and Science; Construction Material Behaviour)
- Design of Construction SN: Including of Bridges, Commercial Building, Construction, High Rise Building, Industrial Building, Industrialised Building/construction System (IBS/ ICS), Port and Airport, Residential, Residential and Public Building, Road and Highway, Seismic and Dynamic Resistant, Structural Design and Assessment, Smart Building, Intelligent Building, Dam and Irrigation Systems (concrete Technology; Concrete Durability; Chloride Resistance Modelling; Chloride-induced Corrosion; Exposure Condition Concrete Mix Design)
- Building Surveying; Building Pathology; Building Defects Investigation; Construction Materials Failures; Nondestructive Survey of Defects; Building Defect Surveying Technology and Equipment

DR. NIK ELYNA MYEDA NIK MAT

PhD (Facilities Management), University College London, UK MSc (Building), University of Malaya B (Hons) (Building. Surveying), University of Malaya Graduate Member RISM Tel: 03-7967 7022/2455

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Area(s) of Expertise

- Building Surveying
- Facilities Management
- Building Defects & Measurements

DR. NOOR SUZAINI BINTI MOHAMED ZAID

PhD (Planning and Development), University of New South Wales, AUS MSc (Building and Urban Design Development), University College London, UK B (Hons) (Building Surveying), University of Malaya Graduate Member RISM

Tel: 03-7967 7603

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Area(s) of Expertise

- Built Environment
- Zero Emissions
- Energy Management and Audit
- Urban Studies



DR. SHIRLEY CHUA JIN LIN

PhD (Asset & Facilities Management), University of Malaya B (Hons) (Building Surveying), University of Malaya Graduate Member RISM Tel: 03-7967 7952

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Area(s) of Expertise

 Facilities Management (Building Maintenance Management)



DR. NUR FARHANA AZMI

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Tel : 03-7967 5391

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Area(s) of Expertise

• Building Control and Performance



LECTURERS



IMADUDDIN ABDUL HALIM

MSc (Building Technology), University Science Malaysia BSc (Hons) (Building Technology), University Science Malaysia Tel: 03-7967 2458 e-mail: imaduddin@um.edu.my

Area(s) of Expertise

Building Construction and Technology

EXTERNAL ASSESSORS (POSTGRADUATE)



PROFESSOR DR. MICHAEL RILEY

Doctor of Philosophy (Liverpool John Moorse University, UK) 2013 Master of Science (Building Services Engineering)(Heriot-Wart University, UK) 1993 Bachelor of Science in Building Surveying (Salford University, UK) 1986 FRICS CERV FRISM SFHEA Head of Department of Built Environment Department of the Built Environment Faculty of Engineering & Technology Liverpool John Moorse University Byrom Street, Liverpool L3 3AF United Kingdom

Appointed from 2018/2019 until 2021/2022



MOHAMMAD SHAHRIZAL BIN MOHAMMAD IDRIS

MSc. (Facilities Management) (Universiti Teknologi Malaysia) Bachelor Eng. (Hons.) (Mechanical) (Universiti Teknologi Malaysia) Certified British Institute of Facilities Management (CBIFM), UK CERTIFICATION Certified Energy Manager, Energy Commission Malaysia Certified Member British Institute of Facilities Management (BIFM_ Ordinary Member Malaysian Association of Facility Management (MAFM) Ordinary Member Harvard Business School Alumni Club Malaysia Graduate Member Board of Engineers Malaysia (BEM) Professional Member, International Facility Management Association (IFMA) Director,

GFM Services Berhad, 257A, 1st Floor, Jalan Bandar 12, Taman Melawati, 53100 Kuala Lumpur

Appointed from 2018/2019 until 2021/2022

EXTERNAL ASSESSORS (UNDERGRADUATE)



Sr LIM SWEE MENG

M.Sc (Building), University of Malaya (UM) B.Sc (Hons) (Building Surveying), University of Malaya (UM) Building Appraisal Pte. Ltd. Chartered Building Surveyours 625 Aljunied Industrial Complex 05-05, 389836, Singapore

Appointed from 2020/2021 until 2023/2024

ADMINISTRATIVE STAFF



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DEPARTMENT OF QUANTITY SURVEYING

HEAD OF DEPARTMENT



Sr DR. OTHMAN MOHAMED, PQS

PhD (Knowledge Management), University of Salford, UK MSc Building Technology, Universiti Sains Malaysia MSc Information Management, Universiti Teknologi Malaysia B (Hons) Quantity Surveying, Universiti Teknologi Malaysia Diploma in Quantity Surveying, Universiti Teknologi MARA Reg. Professional QS (BQSM), MRISM Cert. in Edu (MPKB), Cert. in Value Mgmt (CIDB), MIVMM Tel: 03-7967 5379 / 03-7967 6834 e-mail: othmanmohamed@um.edu.my

Area(s) of Expertise

Knowledge Management and Information Management

ASSOCIATE PROFESSORS

ASSOCIATE PROFESSOR Sr DR. FAIZUL AZLI MOHD RAHIM, Pas



PhD (Life Cycle Risk), University of Liverpool, UK MSc Information Technology in Property & Construction, University of Salford, UK BSc (Hons) Quantity Surveying, University of Salford, UK Reg. Professional QS (BQSM), MRISM, MIVMM, MCIOB Tel: 03-7967 5331

e-mail:azli@um.edu.my

Area(s) of Expertise

- IT in Construction Industry
- Project Management (Project Management)
- Construction Economics (Construction Economics)
- Risk Management (Risk Management)



ASSOCIATE PROFESSOR Sr DR. HAFEZ SALLEH, cas

PhD (Strategic IT Management), University of Salford, UK MSc (Information Technology in Property & Construction), University of Salford, UK BSc (Hons) Quantity Surveying, University of Salford, UK Diploma in Quantity Surveying, Universiti Teknologi MARA Reg. Consultant QS (BQSM), MRISM

Tel : 03-7967 4476 e-mail : hafez@um.edu.my

Area(s) of Expertise

- Facilities Management
- Strategic IT Management

ASSOCIATE PROFESSOR Sr DR. MOHD SUHAIMI MOHD DANURI, cas



PhD (Business Law), Universiti Putra Malaysia Master of Construction Law, University of Melbourne, Australia B (Hons) Quantity Surveying, Universiti Teknologi Malaysia Diploma in Quantity Surveying, Universiti Teknologi Malaysia Reg. Consultant QS (BQSM), ACIArb, MRISM, MIVMM Tel: 03-7967 4473

e-mail:msuhaimi@um.edu.my

Area(s) of Expertise

- Procurement and Contract
- Construction Law



ASSOCIATE PROFESSOR DR. NORHANIM ZAKARIA

PhD (Real Estate/Project Management), Universiti Teknologi Malaysia MSc (Construction Management), Universiti Teknologi Malaysia B (Hons) Quantity Surveying, Universiti Teknologi Malaysia Diploma in Quantity Surveying, Universiti Teknologi Malaysia Reg. Provisional QS (BQSM), MIVMM, Graduate Member (RISM) Tel: 03-7967 6875 e-mail: norhanimz@um.edu.my

Area(s) of Expertise

- Project Management
- Construction Management

ASSOCIATE PROFESSORS (INDUSTRY)



ASSOCIATE PROFESSOR (INDUSTRY) Sr AHMAD SUHAIMI ABDUL MAJID

M.Sc, Universiti Teknologi MARA (UITM) B.Sc in Quantity Surveying, Nottingham Trent University, UK Reg. Consultant QS (BQSM), FRICS, FRISM, MIVMM Tel: 03-7967 5379 E-mail: asamqs@um.edu.my

Area(s) of Expertise

• Quantity Surveying and Professional Practice

SPECIALIST



Sr DR. KHAIRUDDIN SULAIMAN MSc (Construction), Loughborough University of Technology, UK BSc (Hons) Quantity Surveying, Glasgow College of Technology, UK Diploma in Quantity Surveying, Universiti Teknologi MARA (UiTM) Reg. Consultant QS (BQSM), RISM Tel: 03-7967 6875

e-mail:norhanimz@um.edu.my

Area(s) of Expertise

- Construction Health
- Safety/Procurement

SENIOR LECTURERS



Sr DR. ZULKIFLEE ABDUL SAMAD, PMP PhD (Project Management), University of Cambridge, UK MSc (Project Management), Universiti Sains Malaysia MBA ESG Paris, France MAppMgt (Architecture), University of Newcastle, Australia

B. (Hons) Quantity Surveying, Universiti Teknologi MARA Proj. Mgmt. Professional (PMP), FAPM (UK), MRICS, MRISM, MCIOB Tel: 03-7967 4474

e-mail:zulkiflee1969@um.edu.my

Area(s) of Expertise

- School Built Environment and Its Impact on Social and Educational Outcomes
- Construction Business and Entrepreneurship
- Project Management (Construction and Built Environment)
- Design Economics (Built Environment) Good Design, Design Quality, Design Value, Whole-life Value



Sr DR. SAIPOL BARI ABD KARIM, PQS

PhD (Project Risk Management), Manchester Business School, UK MSc Management of Project, University of Manchester, UK Bachelor of Quantity Surveying (Hons), University of Malaya Reg. Professional QS (BQSM), FIVMM, MRISM, MAPM (UK), M.SAVE Intnl (USA), MACPM Tel: 03-7967 5375 e-mail: saipolbari@um.edu.my

Area(s) of Expertise

- Management of Projects; Strategic Management & Governance; People & Culture (Stakeholder Management); Supply Chain (Production Management); Planning & Control (construction Project Management, PMBOK, APMBOK, P2M, Prince2, ISO)
- Building Morphology; Design Economics; Cost Management; Financial Management; Commercial Management (Quantity Surveying & Construction Economics)
- Value Methodology; Value Planning; Value Engineering; Value Assessment; Value Analysis (Value Study, Function Analysis, Fast, Paired Comparison, WEM)
- Management of Risks, Uncertainty & Opportunity (Project Risk Management, Pram, Risk Governance, Integration of Risk & Value Management)



DR. MAHANIM HANID

PhD (Construction Management), University of Salford, UK MSc Building Technology, Universiti Sains Malaysia B (Hons) Quantify Surveying, Universiti Malaya Diploma in Quantify Surveying, Universiti Teknologi Malaysia Reg. Provisional QS (BQSM), Graduate Member (RISM) Tel: 03-7967 6872

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<u>Area(s) of Expertise</u>

Construction Management

- Lean Construction
- Building Economics



Sr DR. UMI KALSUM ZOLKAFLI @ ZULKIFLY, cas

PhD (Building Conservation), Universiti Teknologi MARA MSc Construction Contract Management, Universiti Teknologi Malaysia B. (Hons) Quantity Surveying, Universiti Teknologi MARA Diploma in Quantity Surveying, Universiti Teknologi MARA Reg. Consultant QS (BQSM), FRISM Tel: 03-7967 7604

e-mail:umi@um.edu.my

Area(s) of Expertise

- Professional Practice
- Procurement
- Contract Management



DR. NURSHUHADA ZAINON

PhD (IT Management), Universiti Malaya MSc Construction Economics & Management, University College London, UK B. (Hons) Quantity Surveying, Universiti Malaya Reg. Provisional QS (BQSM), Graduate Member (RISM) Tel : 03-7967 2461 e-mail: zshuhada@um.edu.my

Area(s) of Expertise

- Financial and Procurement (Public Private Partnership, Private Finance Initiative)
- Digital Construction (Building Information Modelling (BIM), Sustainable/Green Construction, Information Technology Management, Construction Innovation)



Sr DR. KHO MEI YE, PQS

PhD (Project Management), Universiti Malaya MSc (Building), Universiti Malaya B. (Hons) Quantity Surveying, Universiti Malaya Reg. Professional QS (BQSM), MRISM Tel : 03-7967 2457 e-mail: meiye@um.edu.my

Area(s) of Expertise

 Quantity Surveying (project Management and Costing, Building Commissioning, Contract and Procurement, Construction Delay, Late Payment)



DR. NUR MARDHIYAH AZIZ

PhD (IT in Construction), Universiti Malaya MSc Facilities Management, Universiti Teknologi MARA BSc (Hons) Housing, Planning & Building - Quantity Surveying, Universiti Sains Malaysia Reg. Provisional QS (BQSM) Tel : 03-7967 4587 e-mail: nurmardhiyah@um.edu.my

Area(s) of Expertise

- People And Culture (people Issue, Soft Issue)
- E-readiness, Building Information Modelling (BIM), lot



Sr DR. LOO SIAW CHUING, PQS

PhD (Project & Construction Management), Universiti Malaya MSc (Building), Universiti Malaya B (Hons) Quantity Surveying, Universiti Malaya Reg. Professional QS (BQSM), MRISM Tel : 03-7967 7959 e-mail : siawchuing@um.edu.my

Area(s) of Expertise

- Project Management
- International Construction
- Risk Management
- Risk Assessment
- Risk Quantification

LECTURERS



Sr IMRAN ARIFF YAHYA, PQS

MSc (Building), Universiti Malaya BSc (Hons) Quantity Surveying, University of Salford, UK Reg. Professional QS (BQSM), MRISM, MIVMM Tel: 03-7967 6846 e-mail: imranariff@um.edu.my

Area(s) of Expertise

- Communication in Construction
- Built Environment (value Management, Value Engineering, Value Analysis, Fast)
- Project Management



MAZNAH OTHMAN

MSc (Project Management), Universiti Sains Malaysia BSc (Hons) Housing, Planning & Building, Universiti Sains Malaysia MIVMM

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Area(s) of Expertise

 Project Management and Costing (Project Management, Construction Management)

EXTERNAL ASSESSORS (POSTGRADUATE)



PROFESSOR DR. LYNN HEATHER CRAWFORD Bachelor of Architecture (Hons), Sydney University Master of Town & Country Planning, Sydney University Graduate Diploma in Human Resource Management, Mitchell CAE Advanced Post Graduate Diploma in Management Consultancy, Henley Management College Doctorate in Business Administration, Henley Management College/Brunel University

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Appointed from 2020/2021 until 2023/2024



KRISHNAN SRINIVASAN, PMP, MBA, ACMA, CA (M) Master of Business Administration (MBA), University of Edinburgh, Scotland BSc. (Econs) Degree in Accounting & Financial Management (Hons), University of Buckingham, England

President, Project Management Institute (PMI) Malaysia Chapter e-mail : johanks2007@gmail.com

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EXTERNAL ASSESSORS (UNDERGRADUATE)



PhD, (1998) National University of Singapore MSc (Intl Constrn Mngt) (Guthrie Gold Medal) BSc (Building) (First Class Hons), (1987) National University of Singapore Member of the Royal Institution of Chartered Surveyors Fellow of Singapore Institute of Surveyors and Valuer

PROFESSOR DR. LING YEAN YNG, FLORENCE

Department of Building School of Design and Environment National University of Singapore (NUS) e-mail: bdglyy@nus.edu.sg

Appointed from 2018/2019 until 2021/2022



Sr JAILANI BIN JASMANI, CQS Bachelor of Applied Science (Quantity Surveying), WAIT Reg. Consultant QS (BQSM), MRISM, MICEC,MMWA

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DEPARTMENT OF REAL ESTATE

HEAD OF DEPARTMENT



DR. Sr HASNIYATI HAMZAH

PhD (Property), University of Auckland, NZ Master (Property Law), University of Aberdeen, UK BSc. (Land Management), University of Reading, UK MRISM. MMIPFM

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Area(s) of Expertise

 Housing And Property Law (housing Studies, Urban Studies, Property Law)

PROFESSOR



PROFESSOR DR. Sr ANUAR ALIAS

PhD (Property Development and Environment), UM MSc (Project Management), USM B.Surv. (Hons) (Property Management), UTM Diploma (Valuation), UTM PGCert. (Professional Development), UCONN Registered Valuer & Estate Agent MRISM, MMIPPM

Tel: 03-7967 6835 e-mail: anuar_a@um.edu.my

Area(s) of Expertise

- Valuation Rating, Taxation, Land Acquisition
- Property Management
- Project Management

ASSOCIATE PROFESSORS



ASSOCIATE PROFESSOR DR. Sr ROSLI SAID

PhD (Real Estate Finance), University of Ulster, UK MSc. (Urban Land Appraisal), University of Reading, UK BSc. (Hons) (Land Management), University of Reading, UK Diploma (Property Valuation), UTM Chartered Surveyor, Registered Valuer, Estate Agent & Property Manager MRISM, MMIPFM, MRICS Tel: 03-7967 6886

e-mail: rosli_alambina@um.edu.my

Area(s) of Expertise

- Real Estate Economics
- Housing Studies
- Real Estate Modelling And Forecasting

ASSOCIATE PROFESSOR DR. Sr YASMIN MOHD ADNAN



PhD (Urban Land Economy), UM MBA, UiTM BSc. (Hons) (Land Management), University of Reading, UK Registered Valuer, Estate Agent & Property Manager FRISM, MRICS, MMIPFM Tel: 03-7967 6845 e-mail: yasmin alambina@um.edu.my

Area(s) of Expertise

 Property Management, Sustainable Real Estate Studies, Office Space Studies, Real Estate Space/market Preference And Decision Making, Operational & Corporate Real Estate, Real Estate Economics

SENIOR LECTURERS



DR. Sr AINORIZA MOHD. AINI

PhD (Property Investment), Kingston University, UK MSc. (Corporate Real Estate Finance & Strategy), City University of London, UK B. (Hons) (Estate Management), UM Reg. Probationary Valuer, MRISM Tel: 03-7967 5396 e-mail: ainoriza@um.edu.my

Area(s) of Expertise

- Sustainable Property Investment
 - Real Estate Finance And Investment
- Housing (housing, Elderly, Strata Properties)



DR. Sr ZAFIRAH AL SADAT BINTI ZYED

PhD (Housing Studies), UM B.(Hons) (Estate Management), UM Reg. Probationary Valuer, MRISM, MMIPFM Tel: 03-7967 2454 e-mail: zafirahzyed@um.edu.my

Area(s) of Expertise

- Housing Affordability
- Property Development
- Urban Studies (housing Studies)



DR. Sr ZAHIRIAH YAHYA

PhD (Urban Land Economy), UM MSc. (Facilities Management), UiTM B.(Hons) (Estate Management), UiTM Diploma (Estate Management), UiTM Registered Valuer, Estate Agent & Property Manager, MRISM Tel: 03-7967 4590 e-mail: zahiriah@um.edu.my

Area(s) of Expertise

- Real Estate Valuation & Taxation
- Facilities Management and Land Development (real Estate & Facilities Management)

DR. ZAIRUL NISHAM MUSA



PhD [Built Environment (Facilities Management)], Liverpool John Moores University, UK MSc. (Facilities Management), University of Greenwich, UK BSc. (Hons) (Estate Management), University of Luton, UK Diploma (Valuation), UTM Tel: 03-7967 4490

e-mail: zairul@um.edu.my

<u>Area(s) of Expertise</u>

- Property Management
- Facilities Management

LECTURERS



Sr ABDUL GHANI SARIP

MSc. Geoinformatics (Geographical Information System), UTM B. (Hons) Estate Management, UM Diploma (Valuation), UTM MRISM

Tel: 03-7967 6861 e-mail: garnae@um.edu.my

Area(s) of Expertise

- GIS Application In Real Estate
- Automated Valuation Modeling, Mass Appraisal (property Valuation)



Sr ZULKIFLI ESHA

MSc. (Real Estate Development & Investment), University of Greenwich, UK BSc. (Hons) (Estate Management), University of Luton, UK Diploma (Valuation), UTM MRISM

Tel: 03-7967 6862 e-mail: zules@um.edu.my

Area(s) of Expertise

• Property Investment/finance (real Estate Investment Trusts, Property Trust Funds)

ADJUNCT PROFESSOR



TAN SRI DATO' (DR.) Sr ABDUL RAHIM BIN ABD RAHMAN

Executive Chairman, Rahim & Co International Sdn Bhd BSc (London) Registered Valuer, Estate Agent & Property Manager FRISM, FRICS

Executive Chairman Rahim & Co International Sdn Bhd Level 17 Menara Liberty, 1008, Jalan Sultan Ismail, 50250 Kuala Lumpur

EXTERNAL ASSESSORS (POSTGRADUATE)



PROFESSOR DR. ALFRED CHRISTOPHER EVES

PhD, University Western Sydney Master of Commerce, University Western Sydney Bachelor of Business (Banking & Finance), Charles Sturt University Dip. Applied Science (Agriculture), Wagga Agricultural College

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Sr NORDIN BIN DAHAROM



Master of Land Economy, Aberdeen University, Scotland Sarjana Muda Ukur (Pengurusan Harta benda), Universiti Teknologi Malaysia (UTM) Diploma Penilaian, Universiti Teknologi Malaysia (UTM) Malaysia Certificate Education (Commerce)

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Appointed from 2018/2019 until 2021/2022

EXTERNAL ASSESSORS (UNDERGRADUATE)



PROFESSOR DR. STEVEN ROWLEY

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Appointed from 2019/2020 until 2022/2023



Sr P. TANGGA PERAGASAM

PPRISM, FRICS, FRISM Chartered Surveyor, Registered Valuer, Property Manager & Estate Agent

Jordan Lee & Jaafar Sdn. Bhd. No.3-3, Level 3, Jalan Medan Setia I Bukit Damansara, 50490 Kuala Lumpur e-mail: hq@jlj.com.my Appointed from 2018/2019 until 2021/2022

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DEPARTMENT OF URBAN AND REGIONAL PLANNING

HEAD OF DEPARTMENT



DR. NIKMATUL ADHA NORDIN

PhD (Urban Planning) USM MSc. (Planning) USM BSc. Housing, Building & Planning, USM Graduate Member of the Malaysian Institute of Planners Tel: 03-7967 6824 / 03-7967 5376 e-mail: nikmatul@um.edu.my

Area(s) of Expertise

Urban Planning And Management

ASSOCIATE PROFESSORS



ASSOCIATE PROFESSOR DR. TPr MELASUTRA MD DALI

PhD (Urban Planning), University of Melbourne, AUS M. Sc., (Urban and Regional Planning), University of Wisconsin, Madison, USA BSc. (Urban Studies & Envi. Planning), University of Wisconsin, Green Bay, USA Registered Town Planner of the Board of Town Planners Malaysia Corporate Member of the Malaysian Institute of Planners, Member of Malaysian Social Impact Assessment Association **Tel: 03-7967 7950**

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Area(s) of Expertise

- Urban Studies (urban Recreation, Open Space)
- Urban Planning And Management (governance and Management)
- Land Use And Social Planning (urban Land Use. Land Sustainability)

ASSOCIATE PROFESSOR DR. Gs ROSILAWATI ZAINOL



PhD (Science), Universiti Teknologi MARA (UITM) MIMT, Universiti Tun Abdul Razak (UNITAR) BA (cum laude) Arkansas State University, Arkansas, USA Professional Member of the Institution of Geospatial and Remote Sensing Malaysia (IGRSM) Associate Member of the Malaysian Institute of Planners Tel: 03-7967 5325 e-mail: rosilawatizai@um.edu.my

<u>Area(s) of Expertise</u>

- Urban Planning And Management (urban Science, Health And City, Urban Analytics, Web-based Geographic Information System (web Gis), Urban Planning Tools, Geographic Information Systems(gis), Spatial Statistics, Spatial Analysis)
- Geographical Information System (gis) (urban Analytics, Spatial Statistics, Spatial Analysis, Active Living, Spatial Planning)

ASSOCIATE PROFESSOR DR. TPr GOH HONG CHING



Dr. rer. nat., Rheinische Friedrich-Wilhelms-Universitaet Bonn, GERMANY M. Sc. (Tourism Planning) UTM B. URP, UTM Corporate Member of the Malaysian Institute of Planners Registered Town Planner of the Board of Town Planners Malaysia Tel: 03-7967 7606 e-mail: gohhc@um.edu.my

Area(s) of Expertise

- Natural Resource (governance)
- Urban Planning and Management (natural Resource and Environmental Issues and Governance, Sustainable Development of Cities And Regions, Urbanization And Urban Risk, Urban Planning)
- Tourism (governance of Protected Areas, Natural Heritage Sites, Tourism Planning and Impacts Management)

ASSOCIATE PROFESSORS (INDUSTRY)



ASSOCIATE PROFESSOR (INDUSTRY) TPr MOHAMED JAMIL AHMAD

MSc. Urban and Regional Planning, University of Strathclyde, SCOTLAND BA. (Hons) Geography UM Advisory Board of the Malaysian Institute of Planners Member of the Board of Town Planners Tel: 03-7967 5325 e-mail: jamil7798@um.edu.my

Area(s) of Expertise

• Urban Planning And Management (regional Planning, Disaster Planning, planning Law, Local Governance, Structure and Local Planning, GIS)

SENIOR LECTURERS



DR. YONG ADILAH BINTI SHAMSUL HARUMAIN PhD (Land Use and Transport Planning), Utsunomiya University, JAPAN

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Area(s) of Expertise

- Urban Studies (transportation Planning, Urban Design, Urban Planning In Developing Countries, Machinoeki)
- Women Transport Related Studies (women, Mobility, Public Transportation, Urban Planning)



DR. PETER ANING TEDONG

PhD (Housing studies) UM Master of Real Estate (MRE) UM BA. (Major: Urban Studies and Planning, Minor: Geography) UM Associate Member of the Malaysian Institute of Planners Tel: 03-7967 7953 e-mail: peteraning@um.edu.my

Area(s) of Expertise

- Migration (housing And Migration)
- Social Housing (gated Community ; Housing Policy And Governance)
- Urban Studies (neoliberal Urbanism ; Neighbourhood Planning And Governance)

DR. GS NUR AULIA ROSNI



PhD in Built Environment, IIUM Master science in Built Environment, IIUM Bachelor of Urban and Regional Planning, IIUM Graduate member of the Malaysian Institute of Planners Professional Member of Institute of Geospatial & Remote Sensing Malaysia Tel: 03-7967 7607 Email: nurauliarosni@um.edu.my

Area(s) of Expertise

- Land Use (land Use Planning, Site Planning)
- Traffic Planning And Management (traffic And Transportation Planning)
- Geographical Informations System(gis) (gis, Land Use Planning Application)
- Planning Administration And Practice (planning Law, Urban Governance, Planning Administration)



DR. ZAKARIA ALCHEIKH MAHMOUD

PhD Urban Planning and Design, SPA, INDIA MUP, SPA, INDIA Bachelor of Architectural Eng. Al-Baath University Syria Urban Planning Consultant, Syria Member Architects Board, UAE Tel: 03-7967 4493

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Area(s) of Expertise

 Urban And Regional Planning (urban Design, Land Use Planning, Sustainable Planning And Development, Technology For Planning, Heritage And Building Conservation)



DR. TEH BOR TSONG

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Area(s) of Expertise



DR. NOOR HASHIMAH HASHIM LIM



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Area(s) of Expertise

EXTERNAL ASSESSORS



PROFESSOR DATUK DR. MIZAN HITAM

PhD (Urban Development: Policy & Strategy), University of Newcastle Upon Tyne, UK Master of City & Regional Planning, Ohio State University, USA B.Urban Planning & Regional Planning, University of Southwestern Louisiana, USA

Faculty of Architecture, Planning & Surveying Universiti Teknologi MARA (UiTM) 40450 Shah Alam, Selangor e-mail : drmizan@uitm.edu.my

Appointed from 2019/2020 until 2022/2023



DATIN TPr NORAIDA SALUDIN

Post-Graduate Diploma in Planning, University of Manchester, UK BA (Honours) in Town & Country Planning, University of Manchester, UK

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ADMINISTRATIVE STAFF



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CENTRE FOR BUILDING CONSTRUCTION & TROPICAL ARCHITECTURE (BuCTA)

HEAD OF RESEARCH CENTRE



PROFESSOR DR. Sr Ts AZLAN SHAH ALI

PhD Built Environment (Building Refurbishment), Universiti Teknologi MARA MSc (Real Estate & Property Mgmt), University of Salford, UK MSc (Integrated Construction Project Management), Universiti Teknologi MARA B (Hons) (Building Surveying), Institut Teknologi MARA Prof. Dip. (Property Management Valuation Surveying), RISM Dip (Estate Management), Institut Teknologi MARA Chartered Surveyor, P.Tech. (Building & Construction, Registered Property Manager FRISM, FRICS, MSET

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CONSERVATION & CULTURAL HERITAGE



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ASSET, FACILITIES & MAINTENANCE



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DESIGN & SUSTAINABLE ARCHITECTURE



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PROJECT MANAGEMENT, PROCUREMENT & ECONOMICS



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BUILDING SCIENCE, TECHNOLOGY & PERFORMANCE



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ADMINISTRATIVE STAFF



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CENTRE FOR SUSTAINABLE URBAN PLANNING & REAL ESTATE (SUPRE)

HEAD OF RESEARCH CENTRE



ASSOCIATE PROFESSOR DR. TPr MELASUTRA MD DALI

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HOUSING & SETTLEMENTS



Position Empty (Will be appointed)

ENVIRONMENTAL & URBAN DESIGN

ASSOCIATE PROFESSOR DR. NAZIATY MOHD YAACOB



PhD (Universal Design), University of Salford, UK MSc (Architecture), University of College London, UK PG Dipl (Architecture), North London Polytechnic, UK BA(Architecture), Leicester Polytechnic, UK Dipl. (Architecture), University Technology Malaysia LAM/RIBA Part I & II Tel: 03-7967 5396

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REAL ESTATE DEVELOPMENT & MANAGEMENT



PROFESSOR DR. Sr ANUAR ALIAS

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SUSTAINABLE PLANNING & DEVELOPMENT



ASSOCIATE PROFESSOR DR. Gs ROSILAWATI ZAINOL

PhD (Science), Universiti Teknologi MARA (UITM) MIMT, Universiti Tun Abdul Razak (UNITAR) BA (cum laude) Arkansas State University, Arkansas, USA Professional Member of the Institution of Geospatial and Remote Sensing Malaysia (IGRSM) Associate Member of the Malaysian Institute of Planners Tel: 03-7967 5325 e-mail: rosilawatizai@um.edu.my

REAL ESTATE ECONOMICS, FINANCE & INVESTMENT

ASSOCIATE PROFESSOR DR. Sr YASMIN MOHD ADNAN



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ADMINISTRATIVE STAFF



NURULFAZILA MOHD SAJUTI

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ASEAN UNIVERSITY NETWORK (AUN) – DISABILITY AND PUBLIC POLICY (DPPnet)

DIRECTOR



PROFESSOR DR. YAHAYA AHMAD, D.J.N (PP) PhD (Conservation Management), University of Liverpool, UK MA (Architecture), Washington University, USA MConst Mgmt., Washington University, USA BA, Washington University, USA Registered Conservator, MRISM Tel: 03-7967 5395 E-mail: yahaya@um.edu.my

OFFICERS



NASREEN ATHIRAH BINTI MOHD ALUDIN B.Business Study, Universiti Teknologi MARA (UITM) Dip.Business Admin, Universiti Teknologi MARA (UITM) Assistant Registrar Tel: 03-7967 7618 E-mail: athirah@um.edu.my



AMIR MUQRI BIN WAHAB

Project Officer Tel: 03-7967 7618 E-mail: amirmuqri@um.edu.my

HIGHER DEGREE COMMITTEE 2021/2022

MEMBERSHIP

The Higher Degree Committee appointed for academic year 2021/2022 comprises of the following member;

Chairman



PROFESSOR DR. Sr Ts AZLAN SHAH ALI

Deputy Dean (Higher Degree) Tel: 03-7967 4494 e-mail: tdit_fab@um.edu.my, asafab@um.edu.my

Head of Department



Sr DR. OTHMAN MOHAMED Head, Department of Quantity Surveying Tel: 03-7967 5379 / 03-7967 6834 e-mail: othmanmohamed@um.edu.my



DR. Sr HASNIYATI HAMZAH Head, Department of Real Estate Tel: 03-7967 5389/ 03-7967 5378 e-mail: hasniyati@um.edu.my



Ar DR. HELENA AMAN HASHIM Head, Department or Architecture Tel: 03-7967 6373 e-mail: helena@um.edu.my



Dr. Sr RAHA SULAIMAN Head, Department of Building Surveying Tel : 03-7967 6836 / 03-7967 6813 e-mail: rahasulaiman@um.edu.my



DR. NIKMATUL ADHA NORDIN Head, Department of Urban and Regional Planning Tel: 03-7967 6824 / 03-7967 5376 e-mail: nikmatul@um.edu.my

Coordinator for Postgraduate Programme (by Research)



Sr DR. KHO MEI YE Coordinator for Doctor of Philosophy Tel : 03-7967 2457 e-mail: meiye@um.edu.my

ASSOCIATE PROFESSOR DR. NORHANIM ZAKARIA



Coordinator for Master programmes Tel : 03-7967 6875 e-mail : norhanimz@um.edu.my

Representative from Department



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Secretariat



MOHD NORAZLIN BIN MANSOR

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NABILAH BINTI AHMAD

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GENERAL INFORMATION

GENERAL INFORMATION

PROGRAMMES

			Intake	
Code	Programmes	Mode	Semester II (February)	Semester I (October)
BVA	Doctor of Philosophy	Research		
ВМА	Master of Built Environment	Research		\checkmark
BQA	Master of Real Estate	Coursework	-	
		Remote Learning		
BQB	Master of Project Management	Coursework	-	
		Remote Learning		
BQC	Master of Facilities and	Coursework		
	Maintenance Management	Remote Learning		
B∨H	Master of Architecture	Coursework	-	

ENTRY REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY (BY RESEARCH)

Non-University of Malaya Graduates

- 1. Master's degrees by research; **OR**
- 2. Master's degree by coursework or mixed mode with a CGPA of at least 3.70; OR
- 3. Master's degree by coursework or mixed mode with a CGPA of at least 2.00 to 3.69 **AND** Bachelor's degree with CGPA 2.50 to 2.99.

Can be considered if it meets one (1) of the following criteria

- a. Have at least three (3) years of work experience in related field; OR
- b. Produce publications in related fields; **OR**
- c. scholarship recipient; **OR**
- d. A Malaysian Government agency personnel; OR
- e. Passed an interview; **OR**
- f. Pass Special Assessment.
- 4. Master's Degree by Course or mixed mode with a CGPA of 2.00 to 3.69 **AND** Bachelor with CGPA of 2.00 to 2.49.

Can be considered if it meets two (2) of the following criteria

- a. Have at least five (5) year of work experience in related field; OR
- b. Produce at least one (1) publication in related fields; OR
- c. Passed an interview; **OR**
- d. Pass Special Assessment.

University of Malaya Graduates (UM Alumni)

- 1. Master's degrees by research; **OR**
- 2. Master's degree by coursework or mixed mode with a CGPA of at least 3.70; OR
- 3. Master's degree by coursework or mixed mode with a CGPA of at least 2.00 to 3.69 **AND** Bachelor's degree with CGPA 2.50 to 2.99; **OR**
- 4. Master's Degree by Course or mixed mode with a CGPA of 2.00 to 3.69 **AND** Bachelor with CGPA of 2.00 to 2.49.

Can be considered if it meets **one (1)** of the following criteria

- a. Have at least five (5) year of work experience in related field; OR
- b. Produce at least one (1) publication in related fields; OR
- c. Passed an interview; **OR**
- d. Pass Special Assessment.

ENTRY REQUIREMENTS FOR MASTER'S PROGRAMMES

Non-University of Malaya Graduates

- 1. Bachelor of Science in Architecture, Urban & Regional Planning, Quantity Surveying, Building Surveying, Estate Management or equivalent in a related field from a recognized university with a CGPA of at least 3.00 and above or equivalent; **OR**
- 2. Bachelor's degree with a CGPA of 2.70 to 2.99.

Can be considered if it meets **one (1)** of the following criteria

- a. Have at least one (1) year of work experience in related field; OR
- b. Produce publications in related fields; **OR**
- c. scholarship recipient; OR
- d. A Malaysian Government agency personnel; **OR**
- e. Passed an interview; **OR**
- f. Pass Special Assessment.
- 3. Bachelor's Degree with a CGPA of 2.50 to 2.69.

Can be considered if it meets **two (2)** of the following criteria

- a. Have at least one (1) year of work experience in related field; OR
- b. Produce publications in related fields; **OR**
- c. scholarship recipient; **OR**
- d. A Malaysian Government agency personnel; OR
- e. Passed an interview; **OR**
- f. Pass Special Assessment.

Bachelor's Degree with a CGPA of 2.00 to 2.49.

Can be considered if it candidates **passed an interview by the Faculty** and meets **one (1)** of the following criteria

- a. Have at least one (5) five years of work experience in related field; OR
- b. Produce at least one (1) publication in related fields; OR
- c. Pass Special Assessment.

University of Malaya Graduates (UM Alumni)

- 1. Bachelor of Science in Architecture, Urban & Regional Planning, Quantity Surveying, Building Surveying, Estate Management or equivalent in a related field from a recognized university with a CGPA of at least 3.00 and above or equivalent; **OR**
- 2. Bachelor's degree with a CGPA of 2.70 to 2.99; **OR**
- 2. Bachelor's degree with a CGPA of 2.50 to 2.69

Can be considered if it meets one (1) of the following criteria

- a. Have at least one (1) year of work experience in related field; OR
- b. Produce publications in related fields; **OR**
- c. scholarship recipient; **OR**
- d. A Malaysian Government agency personnel; OR
- e. Passed an interview; **OR**
- f. Pass Special Assessment.
- 3. Bachelor's Degree with a CGPA of 2.00 to 2.49.

Can be considered if it meets one (1) of the following criteria

- a. Have at least **five (5) years** of work experience in related field; **OR**
- b. Produce at least one (1) publication in related fields; OR
- c. scholarship recipient; **OR**
- d. A Malaysian Government agency personnel; **OR**
- e. Passed an interview; **OR**
- f. Pass Special Assessment.

ADDITIONAL REQUIREMENTS

Beside the general entry requirement that is stated by the University, below are the additional requirements for candidates spesific to the programme requirements:

Master of Architecture

- A. **UM graduates with Bachelor of Science in Architecture** degree can be considered if they meet all of the following criteria:
 - 1. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation.
 - b. Attained an overall grade of 'B' and above for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of six (6) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test).
 - 2. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B -' and below for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of twenty-four (24) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)

- 3. Candidates with CGPA of 2.70 2.99
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B' and above for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of twenty-four (24) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)
- 4. Candidates with CGPA of 2.70 2.99
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B -' and below for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of thirty-six (36) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)
- B. Non UM graduates and International students with Bachelor of Science in Architecture degree can be considered if they meet all of the following criteria:
 - 1. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation.
 - b. Attained an overall grade of 'B' and above for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of twelve (12) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test).
 - 2. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B -' and below for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of thirty-six (36) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)

Non UM graduate and International students with CGPA of 2.99 and below are not eligible to apply for the Master of Architecture program

Master of Project Management

- a. Bachelor's Degree in Built Environment, Engineering, Management, IT, Sciences, Social Sciences, Economy, Finance or equivalent qualification in a relevant discipline with CGPA of 3.00 and above; OR
- b. Professional qualification from a recognized professional body; OR
- c. Other qualifications as written by the Senate from time to time; AND
- d. Have at least one (1) year of working experience in related field; OR
- e. Bachelor's Degree with CGPA of less than 3.00 (2.70 to 2.99) with a minimum of three (3) years of working experience in related field; OR
- f. Bachelor's Degree with CGPA of less than 2.70 (2.50 to 2.69) with a minimum of three (3) years of working experience in related field; AND University of Malaya graduate; OR Produce at least one (1) publication in related fields; OR Scholarship recipient; OR
- g. Bachelor's Degree with CGPA of less than 2.50 (2.10 to 2.49) with a minimum of five (5) years of working experience in related field; AND University of Malaya graduate; AND Produce at least one (1) publication in related fields; OR Scholarship recipient.

ENGLISH LANGUAGE REQUIREMENTS FOR NON-CITIZEN APPLICANT

- A band 5.5 in the International English Language Testing System (IELTS) (Academic); or
- A score of 550 paper based total, a score of 213 for computer-based total or a score of 80 for internet-based total for Test of English as a Foreign Language (TOEFL).; or
- Band 4 and above in the Malaysian University English Test (MUET); or
- A score of 42 and above in the Pearson Test of Academic English (PTE Academic); or
- A Grade C and above in English for General Certificate of Education (A Level), University of Cambridge; or
- A Grade C and above in the Cambridge Assessment English: First (FCE); or
- A Grade C and above in the Cambridge Assessment English: Advanced (CAE); or
- A Grade C and above in the Cambridge Assessment English: Proficiency (CPE).

BAHASA MALAYSIA REQUIREMENT

- a. For <u>Malaysian citizen</u>, candidate shall be required to possess at least a Pass in Bahasa Melayu or Bahasa Malaysia at the level of Sijil Pelajaran Malaysia (SPM) or a Level III in Sijil Kecekapan Bahasa Malaysia or a Level III in the Sijil Intensif Bahasa Malaysia of the University or an equivalent level before being conferred the Degree.
- b. <u>International candidate</u> shall be required to attend at a satisfactory level a Bahasa Malaysia course that is conducted by the University before being conferred the Degree. However candidate can be exempted from taking the Bahasa Malaysia course if they possesses at least a Pass in Bahasa Melayu or Bahasa Malaysia at the level of Sijil Pelajaran Malaysia or Level III in Sijil Kecekapan Bahasa Malaysia or Level II in the Sijil Intensif Bahasa Malaysia of the University or a Bahasa Malaysia course recognised by the University.

RESEARCH AREAS OR EXPERTISE

Below are listing of research field under the Faculty of Built Environment, UM for candidates who are taking the [BVA] Doctor of Philosophy (by Research) and [BMA] Master of Built Environment (by Reserarch) based on the National Education Code (NEC)

Architecture & Building (NEC code: 58)	Arts (NEC code: 21)
Architecture & Town Planning (581) Building (582)	Arts (210) Fine Arts (211) Music and Performing Arts (212) Audio-Visual Techniques and Media Production (213) Design (214) Craft Skills (215)
Business & Administration (NEC code: 34)	Engineering & Engineering Trades (NEC code: 52)
Business and Administration (340) Wholesale and Retail Sales (241) Marketing and Advertsing (342) Finance, Banking and Taxation (343) Management and Administration (345) Secretarial and Office Work (346) Working Life (347)	Engineering and Engineering Trades (520) Mechanics and Metal Work (521) Electricity and Energy (522) Electronics and Automation (523) Chemical and Process (524) Motor Vehicles, Ships and Aircraft (525) Civil Engineering (526) Material Engineering (527)

Environment Protection (NEC code: 85)	Security Service (NEC code: 86)
Environmental Protection (850)	Security Services (860)
Environmental Protection Technology (851)	Protection of Persons and Property (861)
Natural Environments and Wildlife (852)	Occupational Health and Safety (862)
Community Sanitation Services (853)	Military and Defence (863)

Source : http://maya.um.edu.my

LEGISLATIONS AND PRESCRIBED RULES

A Doctoral candidate is governed by the University of Malaya (Doctoral Degrees) Rules and Regulations, 2019 and for Master's candidate is governed by the University of Malaya (Master's Degrees) Rules and Regulations, 2019 **REGISTRATION SCHEDULE FOR NEW STUDENTS** SEMESTER I, 2021/2022 ACADEMIC SESSION

UNIVERSITI M A L A Y A

NEW POSTGRADUATE STUDENTS

Acceptance of the Offer Letter for International Applicants

20 - 27 SEP 2021 Self Enrol (Coursework and Mixed Mode)

30 SEP 2021 - 01 OCT 2021 Faculty Programme Briefing

04 - 29 OCT 2021* Module Registration and Registration Confirmation (Research Mode) - Registration for Research Methodology(RM) course only.

27 DEC 2021 - 31 JAN 2022 Submission of Progress Report (For students who have registered for the Dissertation or

(For students who have registered for the Dissertation or Thesis Module in Semester 1, 2021/2022)

07 - 11 MAR 2022 Announcement of Examination Results

BEFORE 25 SEP 2021 (Acceptance of the Offer Letter for Local Applicants)

20 SEP 2021 - 28 JAN 2022 Solf Enrol (Research Mode)

29 SEP 2021 - 08 OCT 2021* Module Registration and Registration Confirmation (Coursework and Mixed Mode)

04 OCT 2021 - 28 JAN 2022* Thesis/Dissertation Module Registration and Registration Confirmation (Research Mode)

18 OCT 2021 - 30 JAN 2022 Lecture Weeks

07 - 20 FEB 2022 Final Examinations

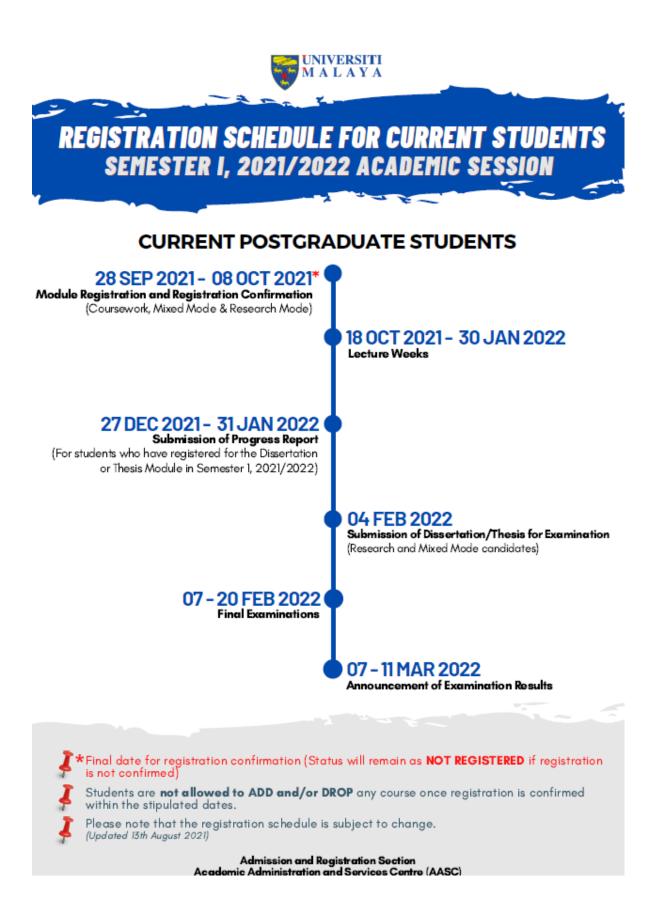
*Final date for registration confirmation (Status will remain as **NOT REGISTERED** if registration is not confirmed)

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Students are **not allowed to ADD and/or DROP** any course once registration is confirmed within the stipulated dates.

Please note that the registration schedule is subject to change. (Updated 13th August 2021)

> Admission and Registration Section Academic Administration and Services Centre (AASC)







SUPPORT SERVICES

LIBRARY

The University of Malaya Library established since 1962 in Kuala Lumpur is a network of 17 Libraries, fully computerized and integrated in its operation and services. The Built Environment Library is one of the special subject libraries in the University of Malaya Library network. Prior to 2003, the collections were kept in the Engineering Library, at the Faculty of Engineering. At the present location, the Built Environment Library is conveniently located for access and is open to all students during office hours. The library is manned by two full-time staff members and one senior librarian which is covers a floor space of about 835 sq. meters with seating capacity for 133 students.

The Library's core function is to support the learning, teaching and research needs of undergraduate, postgraduate students, and the academic staff and researchers of the Faculty of Built Environment. However, it is also opened to other registered users of the University of Malaya Library network, subject to some limitation in borrowings.

The collection gives priority on the learning and teaching programme of the Built Environment Faculty especially in the areas of architecture, real estate, quantity surveying, building surveying and urban planning. The library materials include both primary and secondary sources, such as books, journals, reference books, dissertation and theses, conference proceedings and electronic resources. The library online catalogue, known as Pendeta WebPAC is a union catalogue of the University of Malaya Library network which provides access to holdings of collection of materials and can be accessed by others via the Internet.

	Library Collections
General	The Library has a general collection of about 11,141 item consists of textbooks, reference books, and handbooks, journal, CD-ROM and etc.
Dissertations, Theses and Academic Exercises	This ever expanding collection consists of works produced by undergraduate and postgraduate students of the Faculty.
Conference Papers	Papers presented by the academic staff at the seminars or conferences especially held in Malaysia are continually collected and indexed in an index database known as iMalaysiana Collection.
Journal, Online databases and e- Books	The Library subscribes to printed journal, online databases - mostly full text journals and e-books, which can be accessed via the campus network and remote access from individual home of registered users.
Others	Some available online databases related to the built environment are ICONDA (International Construction Database), RIBA e-books, IEEE Xplore, Art & Architecture Complete @EBSCOHOST, Science Direct, Springer Link, etc.

Library Services		
Loans, Online Renewal and Reservation	Most books are allowed borrowings, except the Reference and special collection such as dissertation/theses and conference proceedings. The library-computerized system allows online renewal by the individual by each patron; and also reservation of books when materials on loan to other user.	
Discussion Area ("Ruang Bicara")	This Discussion Area is located beside the library office and accommodate with 16 seats. This area is spacious and very interesting for any discussion and meeting. It is open to anyone who interested and users only need to make a reservation at counter services. Projectors are also provided for teaching and learning facilities.	
Books Donation Corner (by Faculty Members)	This corner was initiated by faculty members to keep books donation as a library collection. All of these materials can be referred and borrowed.	
Inter-library loan and Document Supply Services	Inter-library loan facilities and document delivery services are available for postgraduate students, researchers and academic staff of the Faculty of Built Environment. Requests to these services are facilitated via the Library interactive portal, which can be submitted to the Library management electronically. A special budget is allocated for this purpose with deposit accounts established at the British Library (U.K) and National University of Singapore (Singapore).	
Access to Other Resource Centres in Malaysia	Registered students and academic staff of the University Malaya are allowed to visit and use (for reference only) other academic / public university libraries in Malaysia, as a part of the resource sharing programme.	
Information Literacy (GIG1004)	Besides that, the library conducts a formal compulsory course for first year undergraduate called Information Literacy (GIG1004) to equip them with the skills on information retrieval and access to resources.	
User Education Session	The postgraduate students, academic staff and researchers of the Faculty are given special user education session; to cater for information needs at a regular basis to familiarize them with the use of library resources and library catalogue (Pendeta WebPAC), Endnote Management Software and online databases subscribed.	

Reference and Information Enquiries

A librarian will assist and guide users with searching information for the collection, online database subscribed, internet or from other institutions. For further information do contact Mr. Muhammad Faizal Abd Aziz, Senior Librarian at 03-79676802 or email at <u>mfaizal@um.edu.my</u>

Operating Hours

Monday - Friday	8.30 am – 5.30 pm
Closed on Saturday, Sunday and Public Holidays.	

STUDENT FACILITIES

FACILITIES	DISCRIPTION
Self-Photocopying Machines	Photocopying services operated by commercial contractors are provided in the Library and cards can be purchased at the Service Counter.
Computers (PC)	Computers with Internet connections are provided for use in the Library for searching information from Library resources and other online databases subscribed by the Library.
Student Centre	Located at Level 3, Mercu Alam Bina was designed to give students space for study and relaxation between classes.
Surau/Musolla (Praying Room)	Located at the second floor of Mercu Alam Bina for both male and female
WIFI	Access is available within the building with a number of access points.
Vending Machines	Available on selected floors.
Centralised and Special Computer Laboratories	The general computer laboratory is a centralised facility for all students of the Faculty. The facilities include desktop publishing and image editing. The special computer laboratory is for teaching purposes that include facilities for 2D draughting, 3D modelling and simulation. All the computers are networked within the Faculty's area network and are linked to the Internet.
Centralised Workshop	A Model-Making Workshop that has 100m2 floor area is available for students to make architecture models and construct small-scale objects. The workshop, equipped with hand and power tools for model-making with wood, plastics and metal, is open during normal working hours for use by all students of the faculty. Some equipment are available for loan outside operating hours. One full-time technician supervises the workshop activities and provides hand-on training and assistance to students.
Centralised Laboratories	There are three centralized laboratories within the Faculty buildings that support the lecturers and students in teaching and research activities. These are Physics, Building

	Laboratories and Digital Crafting Lab. The labs offer advanced practical, research and model-making facilities with state-of-the-art machines and equipment, under the supervision of experienced academic and technical staff. In addition, students have access to more specialized laboratories in Engineering and Science Faculties.
Cafe	The faculty's café is located at level 3 and is open during office hours on weekdays.



DOCTOR OF PHILOSOPHY (Research)

[BVA] DOCTOR OF PHILOSOPHY (BY RESEARCH)

Program Overview

PhD students will carry out focused research in their area of specialisation, which is of immediate relevance to their research interest.

Additionally, they will be exposed to new developments and challenges in their research topic in the international arena through media, seminars, conferences and keynote addresses and also through research attachments and collaborative exchange arrangements with international recognised research centres.

Program Structure

This Ph.D programme is purely based on individual supervised research. Candidates will be exposed to [Code: BVX8001] Research Methodology Course (3 Credits) to strengthen their research knowledge. At the end of the candidate's study, a thesis must be submitted and upon successful defence, the candidate will be granted Ph.D status. All research proposals must be approved and supervised by the Faculty. Ph.D candidates' theses must not exceed 100,000 words. They are required to complete their studies within 12 semesters.

Programme Fees

Candidate	Fees (RM)
Local (Malaysian)	RM 19,500
International	RM 42,230

Source: https://study.um.edu.my

Candidacy

Minimum period	:	4 Semesters
Maximum period	:	12 Semesters

Registered Candidate

A candidate will be classified as a registered candidate of the University of Malaya from his/her initial registration until the award of his/her degree, subject to the candidate to renew his/her registration every semester.

Candidature Requirements

a. attend at least 3 credits of [Code: BVX8001] Research Methodology Course not later than the second (2nd) semester of candidature;

- b. candidates need to present his/her initial research proposal in the Pre-Research Proposal at the end of Research Metodology Course;
- c. fulfil attendance requirements for the **University Bahasa Malaysia course not later than the second (2nd) semester** of candidature (International Students only);
- d. present research proposal at **Proposal Defence not later than the second (2nd)** semester of candidature;
- e. present research progress at Candidature Defence not later than the fifth (5th) semester of candidature;
- f. present research progress at Thesis Seminar before the submission of thesis for examination;
- g. must show proof of acceptance for publication as per the following (according to the criteria set in the publication guidelines), prior to graduation:
 - (i) at least one (1) article in journals indexed by Thomson Reuters Web of Science (WoS)
 or;
 - (ii) at least one (1) book published by publishers listed in the Thomson Reuters Web of Science (WoS) Master Book List or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers listed and recognized by the Faculty or;
 - (iii) at least **two (2) publications** in Category A or B refereed journals, or book chapters as follows:
 - Articles in Category A journals: Journals indexed in the Scopus citation database
 - Articles in Category B journals: Journals published by University or scholarly publishers or listed in MyJurnal (Malaysian Journal Management System). (List of Category B journals must be listed and recognized by the Faculty)
 - Book chapters of different books:

Book chapters published by publishers listed in the Thomson Reuters Web of Science (WoS) Master Book List, or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers listed and recognized by the Faculty. Two (2) book chapters in different books are equivalent to one (1) publication; and

h. fulfil the residential requirement of **12 months**.

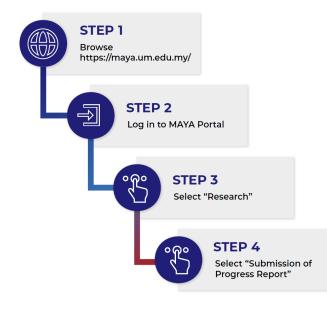
Additional Requirements

Compulsory to attend the seminars/conference/workshop or special seminars organized by the faculty or others at least five (5) times during the study period.

Progress Report

A candidate is required to submit a research progress report latest between **week sixteen and week eighteen of each semester before the registration of the subsequent semester** begins in accordance with the prescribed procedure. The Supervisor, Co-Supervisor and Consultant shall evaluate the candidate's research progress report in accordance with the prescibed procedures and complete the said evaluation within one (1) week from the date of receipt of progress report for the semester concerned.

A candidate whose progress is satisfactory shall be recommended to continue with his candidature. A candidate whose progress is not satisfactory for two (2) consecutive semesters shall have his candidature terminated by the University. Please make sure the following steps are followed to ensure successful submission of your progress report:



Submission for the Proposal Defence (PD)

Candidates are required to submit four (4) copies of complete research proposal report of 3,000 – 7,000 words to the Postgraduate Office not later than two (2) weeks before the date of the presentation, which includes the following:

- a. introduction, statement of problem and scope of research;
- b. research objective;
- c. summary of literature review;
- d. description of conceptual framework or summary of experimental methods or summary of research design and required equipment;
- e. importance and relevance of study;
- f. preliminary findings / pilot test (initial findings, if any)
- g. proposed work schedule based on the designated date of submission of thesis/dissertation; and

h. brief bibliography.

Submission for the Confirmation Defence (for direct admission candidates)

Candidates are required to submit four (4) copies of complete research proposal report of 4,000 - 7000 words to the Postgraduate Office not later than two (2) weeks before the date of the presentation, which includes the following:

- a. introduction, statement of problem and scope of research;
- b. research objective;
- c. complete literature review;
- d. credible research methodology;
- e. importance and relevance of study;
- f. initial findings (preliminary findings) / pilot test (if any)
- g. proposed work schedule based on the designated date of submission of thesis/dissertation; and
- h. brief bibliography.

Submission for the Candidature Defence (CD)

Candidates are required to submit four (4) copies of a complete research progress report of 5,000 - 10,000 words to the Postgraduate Office not later than two (2) weeks before the date of the presentation, which includes the following:

- a. abstract (500 words in Malay and English);
- b. objective and Statement of Problem
- c. importance and relevance of the study;
- d. brief and concise literature review;
- e. credible research methodology;
- f. research findings that have been obtained to this point;
- g. brief and concise bibiliography;
- h. research plan that will lead to the submission of the dissertation/thesis on the designated date; and
- i. list of publications or conference papers presented during the candidature period.

Submission for the Thesis Seminar

Candidates shall submit presentation notes with abstract to the Postgraduate Office **not later than three (3) working days** before the date of presentation

Submission of Thesis for Examination

Candidates shall submit their thesis for examination after the minimum period and within the maximum period of the candidature. Candidates must ensure that they have submitted a Three Months' Notice and that thesis title has been approved by the Faculty prior to submission of the thesis for examination. Any corrections of re-examination required for the thesis must be submitted before the lapse of the prescribed period. Failure to do so shall be deemed a failure in the examination of the thesis unless an extension to the prescribed

period is approved by the Senate. Candidates are not allowed to withdraw from an examination for a thesis where the thesis has already been submitted for examination. Candidates are advised to refer to the latest Guidelines for the Preparation of Research Reports.

Programme Coordinator



Sr DR. KHO MEI YE

Coordinator for Doctor of Philosophy PhD (Project Management), Universiti Malaya MSc (Building), Universiti Malaya B. (Hons) Quantity Surveying, Universiti Malaya Reg. Professional QS (BQSM), MRISM Tel : 03-7967 2457 e-mail: meiye@um.edu.my

Administrative Staff



JUNITA BINTI HALIM

Administrative Assistant (Doctor of Philosophy) Higher Degrees Office Level 8, Mercu Alam Bina, Faculty of Built Environment University of Malaya Tel : 03 – 7967 5320 e-mail: june1981@um.edu.my

MASTER OF BUILT ENVIRONMENT

(Research)

[BMA] MASTER OF BUILT ENVIRONMENT (BY RESEARCH)

Program Overview

Students will have the benefits of exposure in conducting research in their particular areas of interest or specialisation and acquisition of an understanding of a body of knowledge in the respective area of specialisation.

Programme Structure

This Master's programme is purely based on individual supervised research. Candidates will be exposed to [Code: BMX7001] Research Methodology Course (3 Credits) to strengthen their research knowledge. At the end of the candidate's study, a dissertation must be submitted and upon successful defence of the dissertation, the candidate will be awarded a Masters' degree. All research proposals must be approved and supervised by the Faculty. Candidates are required to complete their studies within 8 semesters.

Programme Fees

Candidate	Fees (RM)
Local (Malaysian)	RM 18,400
International	RM 34,200

Source: https://study.um.edu.my

Candidacy

Minimum period	:	2 Semesters
Maximum period	:	8 Semesters

Registered Candidate

A candidate will be classified as a registered candidate of the University of Malaya from his/her initial registration until the award of his/her degree, subject to the candidate to renew his/her registration every semester.

Upgrade to PhD

A program leading to a doctoral degree (PhD) within the same research area is possible and conversion from Master to PhD is based on merits. The PhD Candidacy is for a period of four (4) semesters (minimum) and up to twelve (12) semesters (maximum). Application for this option should be made before the expiry of the third semester of study (no later than 15 months from registration).

Candidature Requirements

- a. attend at least 3 credits of [Code: BMX7001] Research Methodology Course not later than the second (2nd) semester of candidature;
- b. candidates need to present his/her initial research proposal in the Pre-Research Proposal at the end of Research Metodology Course;
- c. fulfil attendance requirements for the University Bahasa Malaysia course not later than the second (2nd) semester of candidature (International students only);
- d. present research proposal at **Proposal Defence not later than the second (2nd)** semester of candidature;
- e. present research progress at Candidature Defence not later than the third (3rd) semester of candidature;
- f. present research progress at Dissertation Seminar before the submission of dissertation for examination;
- g. must show proof of acceptance for publication as per the following (according to the criteria set in the publication guidelines), prior to graduation:
 - (ii) at least one (1) article in journals indexed by Thomson Reuters Web of Science (WoS)
 or;
 - (ii) at least one (1) book published by publishers listed in the Thomson Reuters Web of Science (WoS) Master Book List or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers listed and recognized by the Faculty
 - or;
 - (iii) at least **one (1) publication** in Category A or B refereed journals, or book chapters as follows:
 - Articles in Category A journals: Journals indexed in the Scopus citation database
 - Articles in Category B journals:

Journals published by University or scholarly publishers or listed in MyJurnal (Malaysian Journal Management System). (List of Category B journals must be listed and recognized by the Faculty)

 Book chapters of different books: Book chapters published by publishers listed in the Thomson Reuters

Web of Science (WoS) Master Book List, or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers listed and recognized by the Faculty. Two (2) book chapters in different books are equivalent to one (1) publication; and

h. fulfil the residential requirement of **6 months**.

Additional Requirements

Compulsory to attend the seminars/conference/workshop or special seminars organized by the faculty or others at least one (1) times during the study period.

Progress Report

A candidate is required to submit a research progress report latest between **week sixteen and week eighteen of each semester before the registration of the subsequent semester** begins in accordance with the prescribed procedure. The Supervisor, Co-Supervisor and Consultant shall evaluate the candidate's research progress report in accordance with the prescibed procedures and complete the said evaluation within one (1) week from the date of receipt of progress report for the semester concerned.

A candidate whose progress is satisfactory shall be recommended to continue with his candidature. A candidate whose progress is not satisfactory for two (2) consecutive semesters shall have his candidature terminated by the University. Please make sure the following steps are followed to ensure successful submission of your progress report:



Submission for the Proposal Defence (PD)

Candidates are required to submit four (4) copies of complete research proposal report of 3,000 – 7,000 words to the Postgraduate Office not later than two (2) weeks before the date of the presentation, which includes the following:

- i. introduction, statement of problem and scope of research;
- j. research objective;
- k. summary of literature review;
- I. description of conceptual framework or summary of experimental methods or summary of research design and required equipment;
- m. importance and relevance of study;

- n. preliminary findings / pilot test (initial findings, if any)
- o. proposed work schedule based on the designated date of submission of thesis/dissertation; and
- p. brief bibliography.

Submission for the Candidature Defence (CD)

Candidates are required to submit four (4) copies of a complete research progress report of 5,000 - 10,000 words to the Postgraduate Office not later than two (2) weeks before the date of the presentation, which includes the following:

- j. abstract (500 words in Malay and English);
- k. objective and Statement of Problem
- I. importance and relevance of the study;
- m. brief and concise literature review;
- n. credible research methodology;
- o. research findings that have been obtained to this point;
- p. brief and concise bibiliography;
- q. research plan that will lead to the submission of the dissertation/thesis on the designated date; and
- r. list of publications or conference papers presented during the candidature period.

Submission for the Dissertation Seminar

Candidates shall submit presentation notes with abstract to the Postgraduate Office **not later than three (3) working days** before the date of presentation

Submission of Dissertation for Examination

Candidates shall submit their dissertation for examination after the minimum period and within the maximum period of the candidature. Candidates must ensure that they have submitted a Three Months' Notice and that dissertation title has been approved by the Faculty prior to submission of the dissertation for examination. Any corrections of re-examination required for the dissertation must be submitted before the lapse of the prescribed period. Failure to do so shall be deemed a failure in the examination of the dissertation unless an extension to the prescribed period is approved by the Senate. Candidates are not allowed to withdraw from an examination for a dissertation where the dissertation has already been submitted for examination. Candidates are advised to refer to the latest Guidelines for the Preparation of Research Reports.

Programme Coordinator



ASSOCIATE PROFESSOR DR. NORHANIM ZAKARIA Coordinator for Master programmes PhD (Real Estate/Project Management), Universiti Teknologi Malaysia MSc (Construction Management), Universiti Teknologi Malaysia B (Hons) Quantity Surveying, Universiti Teknologi Malaysia Diploma in Quantity Surveying, Universiti Teknologi Malaysia Reg. Provisional QS (BQSM), MIVMM, Graduate Member (RISM) Tel : 03-7967 6875 e-mail : norhanimz@um.edu.my

Administrative Staff



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MASTER OF REAL ESTATE

(Coursework & Remote Learning)

[BQA] MASTER OF REAL ESTATE (COURSEWORK & REMOTE LEARNING)

Program Overview

This program aims to create reflective practitioners in the Real Estate Industry, with enhanced knowledge and skills in land and property development. This cutting edge program, designed with inputs from the real estate industry, will significantly strengthen and develop the expertise of contemporary real estate professionals besides meeting the needs of aspiring real estate professionals.

Delivery and Attendance

- The minimum duration of the program is two (2) normal semesters (one year) and one (1) special semester, with the maximum is eight (8) semesters (four years).
- Classes will be conducted through after-office and / or weekend session.
- The program is offered at University of Malaya's Faculty of Built Environment, Kuala Lumpur.
- The program is delivered through lectures, tutorials and coursework.

Conferment of Degree

Upon successful completion of the program, students will be conferred the **Master of Real Estate** degree from the University of Malaya.

Programme Fees

Candidate	Fees (RM) Conventional	Fees (RM) Remote Learning
Local (Malaysian)	RM 16,900	RM 20,230
International	RM 30,800	RM 29,373

Source: https://study.um.edu.my

Program Structure and Assessment

This program consists of 11 courses apportioned as follows: Semester 1 has four compulsory courses, Semester 2 has four compulsory courses and two elective courses from three choices and Semester 3 (Special Semester) has one progressive course. Altogether students must undertake 10 courses. Each course is delivered over a 14-week period, except for BQA7002 (Research Project) which is conducted over two semesters. The courses are assessed by examination and / or continuous assessment.

Programme Outcomes

Graduate will be able to:

PO1	Enhance the knowledge of property development to meet academic and industry needs locally and internationally		
PO2	Apply knowledge and skills in coordinating and managing various types of property effectively		
PO3	Undertake social responsibility in providing real estate consulting and valuation services		
PO4	Demonstrate professionalism in implementing property management services to meet the needs of industry and communities		
PO5	Communicate and work effectively in industry and communities to make investment decisions and property development		
PO6	Develop analytical capabilities and problem solving skills		
PO7	Possess relevant information and knowledge in property consulting and valuation services		

Course Structure

0 0	SEMESTERS					⊣⊑				
COMPO	SEM 1: NORMAL SEMESTER SEM 2: NORMAL SEMESTER			SEM 1: NORMAL SEMESTER SEM 2: NORMAL SEMESTER SEM 3: SPECIAL SEMESTER			TOTAL CREDIT			
ы со в	CODE	COURSE	CDT	CODE	COURSE	CDT	CODE	COURSE	CDT	ΞŪ
	BQA 7001	Research Methodology in Real Estate	3	BQA 7002	Research Project (Progressive I)	6	BQA 7002	Research Project (Progressive II)	6	
3JECTS	BQA 7003	Development Economics and Planning	4	BQA 7006	Real Estate Development Process	4				
CORE SUBJECTS	BQA 7004	Property Law and Institutional Framework	4	BQA 7007	Property Market Research and Marketing	4				42
0	BQA 7005	Property Finance and Investment Analysis	4	BQA 7008	Valuation and Investment Appraisal	4				
IECTS VLY)	BQA 7009	Corporate Real Estate		BQA 7009	Corporate Real Estate					
ELECTIVE SUBJECTS (CHOOSE 1 ONLY)	BQA 7010	Real Estate Project Management	3	BQA 7010	Real Estate Project Management	3				3
CHO (CHO	BQA 7011	Sustainable Real Estate Development		BQA 7011	Sustainable Real Estate Development					
TOTAL CREDIT						45				

PROGRESSIVE COURSE : Candidates need to register and complete the BQA7002 - Research Project (progressive I & progressive II) in two (2) semesters (Semester II and Special Semester). BQA7002 (Progressive1) is given Grade P (progressive) in the first semester of registration. Final grade will be given once the candidates are completed the BQA 7002 (progressive 2) in Special Semester.

Syllabus Summary

BQA7001 RE	SEARCH METHODOLOGY IN REAL ESTATE
3 Credits	Students will be exposed to real estate research elements and processes of problem and hypothesis formulation, research design, data collection and analysis methods, developing the conclusion, and writing the research report. Data collection and sources of data, library research, research methodologies in terms of the general philosophies and detailed research methods. Computer usage: SPSS and other relevant software.
	At the end of the course students will be able to:
	 Apply qualitative and quantitative methods that are applicable to evaluate real estate related research. Apply the theory and techniques of developing and conducting research in real estate development. Illustrate communication skills that contain critical thinking and problem solving elements. Structure a research proposal.
BQA7002 RE	SEARCH PROJECT (P)
12 Credits	This course requires the students to conduct research and write a research report under supervision.
	At the end of the course students will be able to:
	 Develop a research framework Apply appropriate research methodology Demonstrate data collection and analysis using appropriate techniques Synthesize research results and findings Relate information and express ideas clearly and effectively
	Candidates need to register and complete the BQA7002 – Research Project (progressive I & progressive II) in two (2) semesters (Semester II and Special Semester). BQA7002 (Progressive1) is given Grade P (progressive) in the first semester of registration. Final grade will be given once the candidates are completed the BQA 7002 (progressive 2) in Special Semester.
BQA7003 DE	
4 Credits	Characteristics of land as an investment, its importance, market trend and property performance in various economic condition; rent and location theories as well as theories related to urban structure and growth; government intervention in property market, and urban problems.

	At the end of the course students will be able to:
	 Classify the theories and issues related to development and planning Distinguish urban real estate issues in land development. Predict potential property development Evaluate problem solving measures in the context of real estate development process.
BQA7004 PR	OPERTY LAW AND INSTITUTIONAL FRAMEWORK
4 Credits	Relevant governance and legislation related to real estate development which includes land, building and environmental laws (Federal Constitutions, National Land Code 1965, Local Government Act 1976, Town and Country Planning Act 1976, Street, Drainage and Building Act 1974, Building by-Law 1984, Environmental Quality Act 1974, Environmental Quality Order 1985, Strata Title Act 1985/ Strata Management Act 2013, Housing Development Act (Control and Licensing) 1966.
	At the end of the course students will be able to:
	 Identify relevant legislation framework suitable for land development Integrate knowledge in determining requirements and restrictions to be adhered to in land development. Relate the development laws to the environmental management aspect of sustainable development Criticise the current regulatory framework
BQA7005 PR	OPERTY FINANCE AND INVESTMENT ANALYSIS
4 Credits	Financial and capital market (secondary mortgage market REITs); the relationship between investment and property development; investment technique and financing (financing property development, residential product, income-generating property); financial and investment analysis; capital budgeting and portfolio theory.
	At the end of the course students will be able to:
	 Identify the principles of financial and investment property Distinguish techniques of financial analysis and investment-related Evaluate the performance of real estate investment Choose the best option for real estate investment devise.
BQA7006 REA	AL ESTATE DEVELOPMENT PROCESS
4 Credits	Parties and institutions involved in property development; development process from initial stage to handing over vacant possession, development process models; impact of public policy and legislation restrictions; fundamental of project management and project appraisals; risk management.
	At the end of the course students will be able to:
	1. Identify real estate development process models

	O Establish as law and add the local of the
	 Establish relevant attributes of a successful property development Identify relevant negotiation techniques
	 Assess the performance and viability of the development project.
BQA7007 PR	OPERTY MARKET RESEARCH AND MARKETING
4 Credits	Property market research: data collection; types and methods, survey design, sampling, data analysis, forecasting: economy and property market (behaviour and trends, economy/ property cycle) and research findings.
	Property marketing: characteristics and market segment, market catchment, market positioning, principles and strategies in marketing management, marketing skills
	At the end of the course students will be able to:
	 Identify marketing techniques and real estate market research Develop the relevant attributes towards a successful real estate marketing Produce a real estate market study report
	4. Evaluate real estate market research findings
BQA7008 VA	LUATION AND INVESTMENT APPRAISAL
4 Credits	Methods of valuation and discounting techniques; Market, Cost and Income methods as outlined by the International Valuation Standard and the 5 methods by the Malaysian Valuation Standard in determining the Market Value of various types of landed property. Explain and apply the various types of investment appraisals.
	At the end of the course students will be able to:
	 Determine the different property valuation approaches Apply the valuation methods and discounting techniques Appraise the suitability of valuation methods for different types of property. Explain and apply the various types of investment appraisals
BQA7009 CC	DRPORATE REAL ESTATE
3 Credits	Strategies in managing effective real estate portfolio, operational and non- operational real estate; strategic planning and analysis; legal, economic and technical aspects in execution of portfolio management; space planning; lease and tenancy; merger, acquisition and disposal; corporate financing.
	At the end of the course students will be able to:
	 Recognise corporate holdings in real estate. Perform strategic decision-making in real estate investment portfolio. Evaluate performance of real estate Appraise real estate tenure decisions

BQA7010 RE	AL ESTATE PROJECT MANAGEMENT
3 Credits	This course provides basic knowledge and skills required to manage a project or to be an effective member of a project team. It covers the nine functions of project management (cost, time, quality, scope, risk, communication, human resource, procurement and integration) tracking a project through its various lifecycles from inception through to completion.
	At the end of the course students will be able to:
	 Determine the development of modern project management Identify project stakeholders' key factors associated with successful execution of projects. Formulate measurable criteria for assessment of project performance
	and success.4. Evaluate constraints and assumptions, related projects and out of scope activities
BQA7011 SU	STAINABLE REAL ESTATE DEVELOPMENT
3 Credits	Sustainability is a wide topic in real estate. This course provides the basic knowledge of sustainable development principles in real estate development. It translates the abstract concepts of sustainability into tangible trends and cases to assist in understanding of sustainable real estate development including, but not limited to, the green building movement and city development concepts.
	At the end of the course students will be able to:
	 Identify sustainable development principles and practices in real estate development. Apply sustainable development principles in real estate development. Appraise institutional factors that could affect sustainable real estate development.

Programme Coordinator



DR. ZAIRUL NISHAM MUSA

Coordinator for Master of Real Estate (by Coursework) PhD [Built Environment (Facilities Management]), Liverpool John Moores University, UK MSc. (Facilities Management), University of Greenwich, UK BSc. (Hons) (Estate Management), University of Luton, UK Diploma (Valuation), UTM Tel: 03-7967 4490 e-mail: zairul@um.edu.my

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MASTER OF PROJECT MANAGEMENT (Coursework & Remote Learning)

[BQB] MASTER OF PROJECT MANAGEMENT (COURSEWORK & REMOTE LEARNING)

Program Overview

This program intends to produce knowledgeable and competent project management professionals who are ethically and socially responsible, and sensitive to the needs for promoting sustainability. Students are trained with the skills to handle problems, challenges and a project management perspective in a global context. Among others, disciplines stressed in this program include Principles of Project Management, Project Management Professional Development, Project Investment and Financial Management, Organisational and Strategic Management, and also Value and Risk Management. The multi-disciplinary approach in the program also allows exploration of other disciplines that are relevant to project management including Health and Safety Management, Information Technology Management for Projects, Legal Studies for Project Management as well as Assets and Facilities Management. The component that is given emphasis in this program is research in selected areas specific to project management, so that students are trained to become effective analyzers and develop skills towards problem solving using scientific approach.

Program Objectives

- To produce project management graduates who are skilled, knowledgeable, and professional in managing projects as required by the industries;
- To produce project management graduates who are critical, creative, innovative, able to lead and competitive; and
- To produce project management graduates who are alert to technological advancement, professional, ethical and having responsibilities towards community and environment.

Additional Requirements

Beside the general entry requirement that is stated by the University, below are the additional requirements for candidates spesific requirements for the Master of Project Management programme:

- a. Bachelor's Degree in Built Environment, Engineering, Management, IT, Sciences, Social Sciences, Economy, Finance or equivalent qualification in a relevant discipline with CGPA of 3.00 and above; OR
- b. Professional qualification from a recognized professional body; OR
- c. Other qualifications as written by the Senate from time to time; AND
- d. Have at least one (1) year of working experience in related field; OR
- e. Bachelor's Degree with CGPA of less than 3.00 (2.70 to 2.99) with a minimum of three (3) years of working experience in related field; OR
- f. Bachelor's Degree with CGPA of less than 2.70 (2.50 to 2.69) with a minimum of three
 (3) years of working experience in related field; AND University of Malaya graduate; OR Produce at least one (1) publication in related fields; OR Scholarship recipient; OR
- g. Bachelor's Degree with CGPA of less than 2.50 (2.10 to 2.49) with a minimum of five
 (5) years of working experience in related field; AND University of Malaya graduate;
 AND Produce at least one (1) publication in related fields; OR Scholarship recipient.

Delivery and Attendance

- The minimum duration of the program is three (3) normal semesters or one and a half (1¹/₂) years while the maximum duration is eight (8) semesters or four (4) years.
- Classes will be conducted through after-office and / or weekend session.
- The program is offered at University of Malaya's Faculty of Built Environment.
- The program is delivered through lectures, tutorials and coursework.

Conferment of Degree

Upon successful completion of the program, students will be conferred the **Master of Project Management** degree from the University of Malaya.

Programme Fees

Candidate	Fees (RM) Conventional	Fees (RM) Remote Learning
Local (Malaysian)	RM 16,600	RM 20,876
International	RM 36,300	RM 32,561

Source: https://study.um.edu.my

Programme Structure and Assessment

This program consists of 12 courses. Each course is delivered over a 14-week period (normal semester). The courses are assessed by examination and/or continuous assessment.

Programme Outcomes

Graduate will be able to:

PO1	Demonstrate in-depth comprehension of the 10 areas of project management as identified in the Project Management Body of Knowledge Guide (PMBOK).
PO2	Apply project management skills in a project environment.
PO3	Apply the right techniques and technology of project management in work environment.
PO4	Demonstrate the required level of professionalism and commitment to ethical practice.
PO5	Demonstrate the ability to provide clear, reasonable and professional views in all forms of communication and ability to work independently and in groups as a leader.

PO6	Analyse the problem of assessing strategic options and being able to make decisions with supporting evidence and providing good judgement.
PO7	Demonstrate the ability to improve knowledge to enhance self-formation.

Course Structure

0 0					SEMESTERS					NL NT			
COMPO	SEM 1:	EM 1: NORMAL SEMESTER		SEM 2	: NORMAL SEMES	TER	SEM 3:	NORMAL SEMEST	ER	TOTAL			
ΰΞ	CODE	COURSE	CDT	CODE	COURSE	CDT	CODE	COURSE	CDT	C I			
	BQB 7001	Research Methodology for Project Management (prerequisite subject)	3	BQB 7002	Research Project I (prerequisite subject)	5	BQB 7003	Research Project II (prerequisite subject)	5				
CORE SUBJECTS	BQB 7004	Principles of Project Management	3	BQB 7007	Integrated Project	6	BQB 7009	Value and Risk Management for Projects	3	37			
CORE S	BQB 7005	Project Management Professional Development	3	BQB 7008	Project Management Professional Development II	3	BQB 7010	Project Investment and Financial Management	3				
	BQB 7006	Organizations and Strategic Management for Projects	3										
				BQB 7011	Health and Safety Management		BQB 7011	Health and Safety Management					
UBJECTS 2 ONLY)				BQB 7012	Legal Studies for Project Management		BQB 7012	Legal Studies for Project Management					
ELECTIVE SUBJECTS (CHOOSE 2 ONLY)				BQB 7013	Assets and Facilities Management	3	BQB 7013	Assets and Facilities Management	3	6			
EL				BQB 7014	IT Management for Projects		BQB 7014	IT Management for Projects					
			•	•		•	•	TOTAL C	REDIT	43			

<u>PREREQUISITE COURSE:</u> Candidates need to register and complete the **BQB7001 - Research Methodology for Project** Management before proceed with BQB7002 - Research Project I and then after with BQB7003 - Research Project II in the following semester.

Syllabus Summary

BQB7001 RE	SEARCH METHODOLOGY FOR PROJECT MANAGEMENT					
3 Credits	Students will be exposed to the elements and processes of scientific research problem and hypothesis formulation, research design, data collection and analysis methods, forming conclusions, and writing research reports. Data collection and data sources, library research, research methodology, philosophy of science in general and research methods in detail. The use of computers: SPSS, and other software.					
	Students will be able to:					
	 Practice different types of qualitative and quantitative methods related to the assessment, methods of project management, data interpretation and report writing. Communicate with critical thinking and problem solving skills. Apply the theory and technique development and implementation of research in related fields. 					
BQB7002 RE	SEARCH PROJECT I					
5 Credits	Research projects involving the production of scientific information through research methodologies that have been studied. Research will be conducted on the basis of the title and the scope proposed by students and supervised regularly by designated supervisors. Time commitment involves the formation justification of project planning, project implementation, collecting research data, reading or literature search, and the writing of the results of the project. At this stage, students will produce 3 chapters which include the introduction, literature review and research methodology. Students will be able to:					
	 Identify and write with a concise explanation of why the project is needed. Have the skills and knowledge in the application of concepts and strategies in a research project. Apply the skills of problem solving and scientific skills. 					
BQB7003 RE	SEARCH PROJECT II					
5 Credits	Research projects involving the production of scientific information through research methodologies that have been studied. Research will be conducted on the basis of the title and the scope proposed by students and supervised regularly by designated supervisors. Time commitment involves the formation justification of project planning, project implementation, collecting research data, reading materials or literature search, and the writing of the results of the project. At this stage, students will produce a balance of about 6 chapters comprising of data collection, analysis discussion and conclusions. It also includes a complete research report produced by integrated with previous chapters that have been generated during the course investigational of Research Project I and comply with the procedures earnings reports research					

	projects required by the university.
	Students will be able to:
	 Apply the theories learned to the academic research. Apply the data collection and analysis skills learned to the research. Present the research results and findings in an academic manner
BQB7004 PRI	NCIPLES OF PROJECT MANAGEMENT
3 Credits	The course contains the fundamentals of the project, the project management process, project planning and project execution and closure. These include the establishment of the project organization, the establishment of effective leadership, team preparation, settlement issues, effective implementation (performance measurement, monitoring and control, coordination, record, report status, communication, conflict management), and the closure of the project (measurement of project success, closure contracts, data transfer, learning, and administrative closure)
	At the end of this course, students can:
	 Explain the concept and principles of project management. Analyse effective project management methodology towards a successful and effective projects. Apply effective project plan covering the period of the project, monitoring and controlling the project delivery (including implementation and closure).
BQB7005 PR	DJECT MANAGEMENT PROFESSIONAL DEVELOPMENT I
3 Credits	This course provides an overview of the aspects covered by the Project Management Institute (PMI) Project Management Professional certification (PMP) by the Project Management Body of Knowledge (PMBOK). Five of the ten knowledge areas contained in the PMBOK that will be covered are: • Project Integration Management, • Project Scope Management, • Project Schedule Management, • Project Cost Management, and • Project Quality Management.
	At the end of the course, students are able to:
	 Discuss about Project Management Body of Knowledge (PMBOK). Identify best practices recognized by the discipline of project management for implementation into a successful project management. Apply a successful project management disciplines through a strong foundation, intellectually, and professionally.
BQB7006 OR	GANIZATIONS AND STRATEGIC MANAGEMENT FOR PROJECTS
3 Credits	The course includes a review of scientific results in organization and strategic management for the project. The course will also look at how to formulate corporate decisions related to the project.

	At the end of this course, students can:
	 Explain the concept and principles of organization and strategic management for the project. Understand the context of strategic management and project organization. Analyse and relate it to another level in project management.
BQB7007 INT	EGRATED PROJECT
6 Credits	Students will be guided and supervised by the lecturer. The theme for the given issues and problems in the course of project work is based on the elements of one or a combination of knowledge related to project management. Students are required to present and defend the results of project work courses given in the seminar.
	At the end of the course, students are able to:
	 Understand the interests of the combination and integration of knowledge. Relate concepts, principles, techniques and the academic knowledge acquired. Apply the knowledge gained and confidence to solve problems.
	5. Apply the knowledge gained and confidence to solve problems.
BQB7008 PRC	DJECT MANAGEMENT PROFESSIONAL DEVELOPMENT II
3 Credits	 This course provides an overview of the aspects covered by the Project Management Institute (PMI) Project Management Professional certification (PMP) by the Project Management Body of Knowledge (PMBOK). Five of the ten knowledge areas contained in the PMBOK that will be covered are: Project Resource Management, Project Communication Management, Project Risk Management, Project Procurement Management, and Project Stakeholder Management. At the end of the course, students are able to: Discuss about Project Management Body of Knowledge (PMBOK). Identify best practices recognized by the discipline of project management for implementation into a successful project management.
	foundation, intellectually, and professionally
BQB7009 VA	LUE AND RISK MANAGEMENT FOR PROJECTS
3 Credits	This course introduces the general theories of value engineering/ value management and risk management as part of the process involved in project management. Each element will be emphasized in terms of theory, methodology and practical applications for the project.

	At the end of the course, students are able to:
	1. Identify the value and risk management aspects that are needed in projects.
	2. Explain the concepts and principles of value and risk management in projects.
	3. Develop the skills and methods of implementation of value and risk management in the context of projects.
BQB7010 PRO	OJECT INVESTMENT AND FINANCIAL MANAGEMENT
3 Credits	This course provides an in-depth view of the processes in project finance, project costs and entrepreneurial project management. Project finance includes the allocation, management and funding of financial resources. This partly involves short-term dealing with day-to-day working capital decisions; another part is longer-term, involving major capital investment decisions and raising long-term finance. Private Finance Initiative (PFI) and Public Private Partnership (PPP) procurement systems will also be explored during the course of this subject.
	At the end of the course, students are able to:
	 Explain the financial concepts, especially opportunity cost and time value of money. Discuss the ways in which business plans are developed and the role of projected financial statements in the planning process. Analyze capital budgeting projects and focus on the short-term and long-term financial implications of business decisions.
BQB7011 HE	ALTH AND SAFETY MANAGEMENT
3 Credits	Students will be exposed to the latest safety management and comprehensive. Statutory requirements, regulations and laws related to security such as the Occupational Safety and Health Act 1994 (OSHA) and the Factories and Machinery Act 1967 (MFA) will be studied in depth. Coverage of topics related to the establishment and implementation of safety and health programs such as pre-bid consideration, planning and scheduling, personal training, orientation and health and safety audit.
	At the end of the course, students are able to:
	 Exposure to current and comprehensive occupational safety and health management Identify the safety and health problems individually, conduct an investigation and preparing safety plan activities Evaluate the impact and capable of using the program and procedures for effective safety and health in the project.
BQB7012 LEG	GAL STUDIES FOR PROJECT MANAGEMENT
3 Credits	This module provides an overview of the legal issues that will be faced during the project life cycle.
	At the end of the course, students are able to:

	 Describe the knowledge of the management rights and responsibilities, agency and representation, contract formation and negotiation of contracts, dispute prevention and settlement. Identify the legal implications of the associated issues by taking into account ethical project management contract procurement. Assess the acquisition strategy in project management contract by concrete evidences.
BQB7013 AS	SETS AND FACILITIES MANAGEMENT
3 Credits	This module explores the strategy and operation of facilities management. Facility management strategy includes the introduction of discipline to the management of facility management. Facilities management operation look to external constraints in corporate priorities including issues that affect the theory of why the organization determine its position and overall look of the four main areas of facility management in the management plan; security, cleaning; energy, and repair & maintenance; which use higher cost of facilities.
	 At the end of the course, students are able to: Understand the strategies and operational facility management. Translating the main capital through proper maintenance and achieve the value of the cost of daily operations Apply appropriate management theory to meet the core objectives of a business
BQB7014 IT A	
3 Credits	The course aims to introduce different techniques for managing projects and increased project management skills. These include exposure to a variety of concepts and project management application using information technology. Course contents include information technology tools and techniques used in the design and implementation of projects that involve budgeting, human resources, and physical resources. It also touches on the scope of the project, time management, cost management, project integration management, risk management, human resources and quality.
	At the end of the course, students are able to:
	 Develop knowledge in a business context and technical developments of the management aspects of information technology in contemporary projects. Build good relationships and interaction through the management of information technology projects. Use conceptual and analytical approaches to the management of information technology projects.

Programme Coordinator



Sr DR. LOO SIAW CHUING, PQS

Coordinator for Master of Project Management (by Coursework) PhD (Project & Construction Management), Universiti Malaya MSc (Building), Universiti Malaya B (Hons) Quantify Surveying, Universiti Malaya Reg. Professional QS (BQSM), MRISM Tel: 03-7967 7959 e-mail: siawchuing@um.edu.my

Administrative Staff



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MASTER OF FACILITIES AND MAINTENANCE MANAGEMENT

(Coursework & Remote Learning)

[BQC] MASTER OF FACILITIES AND MAINTENANCE MANAGEMENT (COURSEWORK & REMOTE LEARNING)

Program Overview

The programme aims to produce professional Facilities Management and Maintenance graduates who are critical and innovative towards sustainable development globally

Delivery and Attendance

- The minimum duration of this programme is two (2) normal semesters and one (1) special semester or one (1) year. The maximum period is eight (8) semesters or four (4) years.
- Classes will be conducted through after-office and/or weekend sessions.
- The medium of instruction are in English.
- The programme is offered by attendance at the Faculty of Built Environment, University of Malaya, Kuala Lumpur.
- The programme is delivered through formal lectures, laboratory, tutorials and coursework.

Conferment of Degree

Upon successful completion of the programme, students will be conferred the **Master of Facilities & Maintenance Management** degree from the University of Malaya.

Programme Fees

Candidate	Fees (RM) Conventional	Fees (RM) Remote Learning		
Local (Malaysian)	RM 14,500	RM 20,647		
International	RM 31,300	RM 29,869		

Source: https://study.um.edu.my

Programme Structure and Assessment

This program consists of 10 courses. Each course is delivered over a 14-week period (normal semester) or 8-week period (special semester). The courses are assessed by examination and/or continuous assessment.

Programme Outcomes

Graduate will be able to:

PO1	Synthesize knowledge, skills and good management practice in the field of
	facilities management and building maintenance

PO2	Integrate knowledge and ability in solving building facilities problems with critical, creative and innovative approach
PO3	Demonstrate communication and interaction skills among team members in the context of facilities management and building maintenance
PO4	Propose consultation works in the context of facilities management and building maintenance
PO5	Express high leadership qualities and ability to work in groups
PO6	Develop and apply techniques, resources and tools for research on facilities and building maintenance research
PO7	Inculcate awareness and ethics regarding social, health, safety, and legislation issues in facilities management and maintenance
PO8	Cultivate awareness on the importance of entrepreneurship and sustainable development; and
PO9	Cultivate readiness in the facilities management and maintenance career development for lifelong learning

Course Structure

0	6	SEMESTERS						귀ե						
COMPO	COMPO NENTS	SEM 1: NORMAL SEMESTER			SEM 2: NORMAL SEMESTER			SEM 3: S	PECIAL SEMES	STER	TOTAL			
ö	Z	CODE	COURSE	CDT	CODE	COURSE	CDT	CODE	COURSE	CDT	ΓŪ			
		BQC 7001	Research Methodology (prerequisite subject)	3	BQC 7002	Research Project (prerequisite subject)	12	BQC 7009	Strategic FM Project	5				
9 TO I	SUBJECIS	BQC 7003	Organisational Behaviour and Resource Management	3	BQC 7007	Building Performance, Productivity & Wellbeing	4							
		BQC 7004	Operation & Maintenance	4	BQC 7008	Financial & Business Management	4				43			
Č	3	BQC 7005	Total Asset & Facilities Management	4										
		BQC 7006	Procurement & Contract Management	4										
SUBJECTS	(CHOOSE	BQC 7010	Sustainable & Environmental Management	3							3			
SUB	(CHC	BQC 7011	Corporate Real Estate	3							3			

	BQC 7012	Principles of Project Management	3							
TOTAL CREDIT					REDIT	46				

PREREQUISITE COURSE :

Candidates need to register and complete the BQC7001 – Research Methodology before proceed with BQC7002 - Research Project in the following semester.

Syllabus Summary

BQC7001 RESEARCH METHODOLOGY			
3 Credits	This course introduces the students to the field of research. It examines in depth the research process and introduces the student to the various aspect of doing social and scientific research related to facilities and maintenance management. The topics covered include research process, research design, data collection and analysis process, and reporting of research results. At the end of the course, students are able to:		
	 Interpret research principles, processes and the requirements for conducting research within facilities and maintenance management Develop critical theoretical literature reviews, research methods and systematic approaches applicable to facilities and maintenance management Practise awareness and ethics in executing good research project 		
BQC7002 RE	SEARCH PROJECT		
12 Credits	Research projects will involve the generation of new scientific information and a review and understanding of the pertinent scientific literature. The research may be conducted in a university laboratory, organisation, etc., depending upon the project and the supervisor. The time commitment includes developing a justified research plan, implementing that plan, gathering the research data, reading or searching literature, and writing up the results of the project.		
	At the end of the course, students are able to:		
	 Apply skills, knowledge and good management on the application of concepts and strategies in research project. Integrate knowledge, communication skills and critical thinking in solving research problems Apply theory and techniques of facilities management in formulating research project. Practise ethics in the research project. **** Pre-requisite: BQC7001 Research Methodology		

BQC7003 ORGANIZATIONAL BEHAVIOUR AND RESOURCE MANAGEMENT				
3 Credits	This course is about theories of organisational behaviour and resource management. Topics include management theories and concept, effective communication, leadership, decision making process, human resource management, ethics and performance evaluation.			
	At the end of the course, students are able to:			
	 Identify teamwork skills in management organization which include relationship of individual, industries and workplace environment Interpret knowledge of theories in organizational concept and effective resource management Explain issues and problems in organization and human behaviour through critical and practical approach 			
BOC7004 OP	ERATION & MAINTENANCE			
BQC/004 OI				
4 Credits	This course aims to devise and develop a strategic approach to the understanding of the role of asset and facilities maintenance in meeting corporate objectives; and reviews the principles of the guideline and legislation affecting asset maintenance. The course will also examine the building services and fabric, their life cycle and the maintenance, refurbishment, maintenance strategy and effectiveness; management organization; planning and co- ordination techniques; and managing cost effectiveness.			
	At the end of the course, students are able to:			
	 Discuss procedures for operation and maintenance of asset and facilities Analyse guideline and legislation in the current practices of asset and facilities maintenance Appraise techniques and technologies in asset and facilities maintenance 			
BQC7005 TO	TAL ASSET AND FACILITIES MANAGEMENT			
4 Credits	This module examines the strategic and operational total asset and facilities management. Strategic facilities management include the introduction of management discipline to the facilities management. Operational facilities management looks at external constraints on corporate priorities which include the theoretical issues influencing why an organization locates where it does and take an overview of four of the major facility operational areas that are amenable to management: Security, Cleaning, Energy, and Repairs & Maintenance, which consume major portion of facilities costs.			
	At the end of the course, students are able to:			
	 Identify the total asset & facilities management theory Apply strategic and operational total facilities management to fulfill the core organizational objectives Decide appropriate management system in achieving value added in operational maintenance and facilities management 			

BQC7006 PROCUREMENT & CONTRACT MANAGEMENT					
4 Credits	This course introduces how business support are developed and outsourced competitively via strategic or conventional FM service delivery framework. Student will also learn a how FM contracts is managed that are made as part of the delivery of a built asset. It involves the creation, analysis and execution of contracts by the parties to those contracts to ensure operational and financial performance is maximised, and risks are minimised between a service provider (either internal or external) and the end user that defines the level of service expected from the service provider.				
	At the end of the course, students are able to:				
	 Identify the type, process, procedure, procurement and liability of contract. Determine the key component parts in a Service Level Agreement. Evaluate contract performance measurement systems in facilities management. Prepare a service level agreement 				
BQC7007 BUI	LDING PERFORMANCE, PRODUCTIVITY AND WELLBEING				
4 Credits	 Introduction to environmental quality in buildings, and ways of producing desirable environments in energy, resourceful and efficient manner. This module aims to enable students to understand the role and utilisation of the physical asset within facilities management that could affect its occupant's productivity and wellbeing as well as the energy usage. At the end of the course, students are able to: Identify green building principles and practices. Discuss various methods of implementation in energy audit. 				
BQC7008 FIN	ANCIAL AND BUSINESS MANAGEMENT				
4 Credits	 This module examines the financial and business management elements within facilities management context. Focus is given to the fundamental principles of financial management and the concept of best value in facilities management. Among the core components of this course appraise on the strategic analysis of business requirements, financial control, fundamental financial analysis tools and facilities management financial models. This module also covers on the theories in forecasting and managing future financial requirements. At the end of the course, students are able to: Identify the theories and application of business and financial management in facilities management Appraise the suitable financial management tools towards effective facilities and business performance Integrate the function of financial analysis in organizational decision making 				

BQC7009 STR	ATEGIC FACILITIES MANAGEMENT PROJECT
5 Credits	Candidate will learn and demonstrate how strategic FM delivery framework can be applied to business organisation. This course aims to enable students to understand FM business strategy, appraise and analyse the diverse nature of developing strategic facility project. Student will acquire the way to optimise FM knowledge by means of appropriate management of information system and operational processes. Students are required to present the results of FM project work courses in seminar.
	At the end of the course, students are able to:
	 Determine relationship between strategic facility planning and business strategy for FM project. Identify appropriate framework for strategic facility planning, with appropriate procurement method. Structuring the management of key information on FM system for business performance. Critically evaluate the impact (benefits and challenges) and use of FM system on facility life cycle.
BQC7010 SUS	
3 Credits	 Understanding of sustainability and climate change is vital topic in development. This course provides fundamental knowledge of sustainable development principles and effects of climate change. It Integrates sustainable development issues including, but not limited to, sustainable economics & policy, green building movement and life-cycle assessments. It translates the abstract concepts of sustainability into Environmental Management System (EMS) practice of development and facilities management. At the end of the course, students are able to: Identify sustainable development principles and practices in facilities management Apply sustainable development principles in facilities management to mitigate environmental risks Integrate professional skills in achieving sustainable environmental management system
BQC7011 CC	ORPORATE REAL ESTATE
3 Credits	Strategies in managing effective real estate portfolio, operational and non- operational real estate; strategic planning and analysis; legal, economic and technical aspects in execution of portfolio management; space planning; lease and tenancy; merger, acquisition and disposal; corporate financing At the end of the course, students are able to: 1. Identify corporate holdings in real estate. 2. Select strategic decision-making in real estate investment portfolio. 3. Evaluate performance of real estate 4. Appraise real estate tenure decisions

BQC7012 PRINCIPLES OF PROJECT MANAGEMENT

4 Credits	The course contains the fundamentals of the project, the project management process, project planning and project execution and closure. These include the establishment of the project organization, the establishment of effective leadership, team preparation, settlement issues, effective implementation (performance measurement, monitoring and control, coordination, record, report status, communication, conflict management), and the closure of the project (measurement of project success, closure contracts, data transfer, learning, and administrative closure)
	At the end of the course, students are able to:
	 Explain the concept and principles of project management. Analyse effective project management methodology towards successful and effective projects. Apply effective project plan covering the period of the project, monitoring and controlling the project delivery (including implementation and closure)

Programme Coordinator



DR. SHIRLEY CHUA JIN LIN

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MASTER OF ARCHITECTURE (Coursework)

[BVH] MASTER OF ARCHITECTURE (BY COURSEWORK)

Program Overview

The programme is serviced by highly qualified and experienced academic staff including one (1) Professor, four (24) Associate Professors, three (3) Associate Professor (Industry) and ten (10) lectures . Students are frequently assessed by professionally qualified architects who are at the forefront of the building industry through regular 'crit' sessions and reviews. This Master by coursework programme is run in a self-contained facility with well-equipped studios, wood and model workshop, building laboratory, computing and printing facilities. More than 150 graduates have successfully graduated from the predecessor for this programme (the Bachelor of Architecture; LAM/RIBA Part II accredited/validated) and continued to fulfil their aspirations

Additional Requirements

Beside the general entry requirement that is stated by the University, below are the additional requirements for candidates spesific requirements for the Master of Architecture programme:

- A. **UM graduates with Bachelor of Science in Architecture** degree can be considered if they meet all of the following criteria:
 - 1. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation.
 - b. Attained an overall grade of 'B' and above for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of six (6) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test).
 - 2. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B -' and below for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of twenty-four (24) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)
 - 3. Candidates with CGPA of 2.70 2.99
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B' and above for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of twenty-four (24) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)

- 4. Candidates with CGPA of 2.70 2.99
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B -' and below for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of thirty-six (36) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)

B. Non UM graduates and International students with Bachelor of Science in Architecture degree can be considered if they meet all of the following criteria:

- 1. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation.
 - b. Attained an overall grade of 'B' and above for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of twelve (12) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test).
- 2. Candidates with CGPA of 3.0 and above
 - a. Obtained LAM Part 1 accreditation
 - b. Attained an overall grade of 'B -' and below for Architectural Design Studio course in the final semester of the undergraduate degree program.
 - c. Completed a minimum of thirty-six (36) months working experience upon completion of the undergraduate degree.
 - d. Pass competency interview (Interview, portfolio & technical drawing test)

Non UM graduate and International students with CGPA of 2.99 and below are not eligible to apply for the Master of Architecture program

Delivery and Attendance

- The minimum duration of the programme is four (4) normal semesters and one (1) special semester or two (2) years and the maximum period is eight (8) semesters or four (4) years.
- The programme is offered by attendance at University of Malaya's Faculty of the Built Environment, Kuala Lumpur.
- The programme is delivered through formal lectures, studios, field trip, tutorials and coursework.

Conferment of Degree

Upon successful completion of the programme, students will be conferred the **Master of Architecture** degree from the University of Malaya.

Programme Fees

Candidate	Fees (RM) Conventional
Local (Malaysian)	RM 16,800
International	RM 42,100

Source: https://study.um.edu.my

Program Structure and Assessment

This program consists of 13 core courses and two (2) elective courses. Each course is delivered over a 14-week period (normal semester) or 8-week period (special semester). The courses are assessed by examination and/or continuous assessment. In the Master of Architecture programme, all design-related courses will have 100% continuous assessment. In courses where final examination is carried out, coursework assignment constitutes 40% while end of semester examination constitutes 60% of the overall marks.

Programme Outcomes

Graduate will be able to:

PO1	Command adequate knowledge in the areas of design, research, technology, management practices law, culture and theory related to the field of architecture.
PO2	Use practical skills and computer software in researching, designing, and managing projects spanned architecture to achieve the requirements of clients and stakeholders in the construction industry.
PO3	Demonstrate social skills and responsibility towards society and the environment in designing, researching, managing and implementing architectural projects.
PO4	Applying ethical values, professionalism and integrity in advising clients and dealing with parties interested in the construction industry.
PO5	Communicate effectively, capable of teamwork and leadership skills in managing architectural projects.
PO6	Using scientifically researching skills in problem solving and decision making and technical design for architectural projects.
PO7	Using information management skills and the ability to lifelong learning for designing architectural projects.
PO8	Using managerial and entrepreneurial skills in managing architectural projects and presenting ideas to clients to ensure the benefits and use of resources fully.

Course Structure

No	Group	Code Courses	SEMESTER					Credit	
ito oloup		Courses	1	2	K-1	3	4	Gleuit	
DESIGN		BAGS6101	Advanced Architectural Design I	7					7
1	33 credits	BAGS6102	Advanced Architectural Design II		7				7
	(51%)	BAGS6203	Pre-Thesis Research			3			3
		BAGS6204	Architectural Design Thesis I				8		8
		BAGS6205	Architectural Design Thesis II					8	8
	TOPICAL RESEARCH	BAGS6106	Research Methodology		3				3
2	11 credits	BAGS6207	Architectural Research I				5		5
	(17%)	BAGS6208	Architectural Research II					3	3
	TECHNOLOGY &	BAGS6109	Sustainable & Green Technology I	3					3
3	ENVIRONMENT 6 credits (9%)	BAGS6110	Sustainable & Green Technology II					3	3
4	LAW, PRACTICE & MANAGEMENT	BAGS6111	Professional Practice I	3					3
	9 credits	BAGS6112	Professional Practice II		3				3
	(14%)	BAGS6213	Architects and Construction Management				3		3
	CULTURAL &		Choose any two	3	3				6
	CONTEXT (Electives)	BAGS6314	Architecture Theory & Philosophy						
5	(2.000.000)	BAGS6315	Architectural Comparative Studies						
		BAGS6316	Building Conservation						
		BAGS6317	Design –Built Project						
		BAGS6318	Urban Planning						
		BAGS6319	Interior Architecture						
		BAGS6320	Landscape Architecture						
		BAGS6321	Universal Design						
			Total/Semester	16	16	3	6	4	65

Syllabus Summary

BAGS6101 AI	DVANCED ARCHITECTURAL DESIGN I
7 Credits	Students will design a cultural building and apply relevant passive design strategies; and design a complex building within an urban context. This course entails possible collaboration with students from other institution.
	At the end of the course, students are able to: 1. Summarize precedent studies on climactically responsive buildings. 2. Apply passive design strategies on the architectural solutions of a small cultural

	 building typology. 3. Integrate green building approach into a project related to a complex building typology. 4. Design appropriate architectural solutions comprising drawings and models incorporating the architectural project issues that comprise sustainable design strategies.
BAGS6102 A	DVANCED ARCHITECTURAL DESIGN II
7 credits	Students will design and affordable high-density housing project; focus on the psychological and physiological aspects of a human being, communal living and socio-cultural issues and; apply theories and principles of housing design such as defensible spaces, security by design, crime prevention through environmental design (CPTED) and clustering or block grouping to accelerate social interaction
	 At the end of the course, students are able to: 1. Summarize lessons learned from research on precedent studies into a project brief of complex buildings or high density housing in an urban context. 2. Apply building statutory and other development requirements, taking into consideration the feasibility study to inform and justify the viability of the project. 3. Share views and opinions academically through discussions with people from different cultural backgrounds or related disciplines. 4. Design appropriate architectural solutions comprising drawings and models incorporating the architectural project issues which comprises of site planning, contextual studies, social-cultural issues and universal design.
BAGS6203 PI	RE THESIS RESEARCH
3 credits	 Students will conduct an in depth study to form a viable and suitable architectural design thesis project with adequate complexity; involve identification, analysis and development of the proposal for the design thesis project and; verbally present their proposals with appropriate visuals accompanied with a written document. This written document will be the foundation for the design thesis project in the following semesters. At the end of the course, students are able to: Determine the conceptual framework based on research topic to assist the formulation of a design brief. Prepare a comprehensive report for proposed topic. Justify selection of design topic / project.
BAGS6204 A	RCHITECTURAL DESIGN THESIS I
8 credits	Students will develop works that were produced in BAGS 6203, Pre Thesis Research to get a design concept that can be applied based on acquired hypotheses and problem statements. Through this course, students will refine and develop the design concept up to the design development stage.
	At the end of the course, students are able to: 1. Discuss design thesis concept based on areas of research such as

	 sustainable design, building typology, conservation/adaptive reuse, site/issue-driven arguments and community architecture. 2. Translate design concept into detailed architectural design scheme. 3. Analyse site through series of studies from macro to micro level. 4. Defend design thesis project through verbal and architectural graphics.
BAGS6205 A	ARCHITECTURAL DESIGN THESIS II
8 credits	 This course is a continuation of the development of conceptual design, ideas and scheme explored in BAGS 6204 Architectural Design Thesis I. The emphasis is on the development of: an architectural design proposal; design of the special studies and; design proposal report At the end of the course, students are able to: Translate design concept into a detailed architectural design proposal. Report a special study that focuses on the core ideas of the design thesis project. Defend design thesis project through verbal and architectural graphics. Justify design proposal in a written report.
BAGS6106 R	RESEARCH METHODOLOGY
3 creditS	 Students will be exposed to: library search; research methodology; scientific research elements; problem formulation process and hypotheses; research design; data collection; data analysis; research findings; writing up and; the use of computer software SPSS At the end of the course, students are able to: Apply qualitative and/or quantitative research methods suitable to the research scope, data analysis and academic writing. Apply theory and techniques of research development and implementation. Debate effectively based on critical thinking and problem solving skills.
BAGS6207 A	ARCHITECTURAL RESEARCH I
5 credits	This course guides the students on how to write a major piece of academic writing as a partial requirement for the conferment of the degree. The students are encouraged to select a topic or issue for dissertation in design or a related field. It may be concerned with any aspect of architecture such as history, theory, aesthetics, technology, sociology, philosophy, anthropology, town planning, conservation or landscape design. For each dissertation, a supervisor will be appointed to monitor the student progress and advice on source material and writing up.
	At the end of the course, students are able to:1. Enumerate critically literature review.2. Report primary and related data.3. Analyse data and syntheses findings.
BAGS6208	ARCHITECTURAL RESEARCH II
3 credits	This course totally depends totally on discussions between the student and supervisor. Discussions cover: various levels of journals; communication with

	journals; writing research papers; writing for publication and; presentation techniques.
	At the end of the course, students are able to:1. Organise architectural research thesis outcome.2. Experiment ready-made information.3. Compose an academic paper.
BAG\$6109 (GREEN AND SUSTAINABLE TECHNOLOGY I
3 credits	The course will enhance students' ability in applying various green building technologies available and the ability to solve specific design problems by appropriate technical means, covering: Building Physics Design & Fire Engineering Environmental Performance Design Integration of Services Other related topics The course will also involve precedents studies.
	 At the end of the course, students are able to: 1. Determine the advantages and disadvantages of conventional and 'green' building services. 2. Illustrate elements of green building services and building environmental control strategies to enhance the ability to design according to the concept of sustainability. 3. Analyse the applicability of green building services and building environmental control.
BAG\$6110 (GREEN AND SUSTAINABLE TECHNOLOGY II
3 credits	This course introduces the technical definition of working drawings, Differences between design sketch analyses, discussions and applications of the sustainability concept green building construction green building materials in green building design environmental impact assessments (EIA) green building rating methods
	 At the end of the course, students are able to: 1. Appraise various methods of 'green' building construction and the characteristics of green building materials. 2. Propose green building solutions into the studio architectural design project. 3. Anticipate the sustainability, performance and cost-effectiveness of green buildings utilising available building assessment software
BAGS6111 F	PROFESSIONAL PRACTICE I
3 credits	 This course introduces the: Concept of ethics, moral and professional obligations Principles of professionalism, competency, responsibilities and due diligence The architect's roles and responsibilities in the building team and society

	• The laws and regulations that govern the architectural profession and its practice
	 The scope of architectural services and the relevant terms of appointment of an architect
	 This course also exposes the legislative aspects including: Statutory controls and their application in practice: Land and property legislation; Planning control - Legislation on town and country planning and its administration; Building control, Building Legislation and Regulations, Local authority guidelines.
	 At the end of the course, students are able to: Determine the architect's professional ethics and their role in the building industry. Relate to the architect's scope of work, in terms of his/her ethical obligations, responsibilities, moral values that are required in the building industry. Explain the types of architectural services based on terms of appointment and current Malaysian legislation.
BAGS6112 PR	OFESSIONAL PRACTICE II
3 credits	To provide an overview of the architect's practice as a professional business entity under the Architect Act (1967) and Rules (1996) and Scale of Minimum Fees (2010). Among the scope of discussion are: • Types of practice • Marketing strategies • Financial management, fees, remuneration and expenses • Managing work distribution and human resources At the end of the course, students are able to:
	 Explain different types of architectural practices as professional business entities. Interpret principles of marketing strategies for architectural practices.
BAGS6213 AI	
3 credits	Through this course, students will recognise the role and responsibility of a practicing architect during the construction management stage and the processes and procedures from award of tender to final account.
	 At the end of the course, students are able to: 1. Illustrate the course of a construction project from the letter of appointment of contractor to the handover of site to the project owner. 2. Apply management knowledge and tools in managing construction and work progress in accordance with the building contract. 3. Determine the role of an architect during the construction phase.

EVECTIVE COURSES

BAGS6314 A	RCHITECTURAL THEORY AND PHILOSOPHY
DACCOULTA	
3 credits	Study on: Modernism (rationalism, structuralism, phenomenology); Post- modernism (post-structuralism, de-constructivism, critical regionalism, abstract expressionism, algorithmic design, sustainable/green design)
	 At the end of the course, students are able to: 1. Analyze the influence of various architectural movements of different eras, from the inception of architectural ideas and concepts to their final expressions in built form. 2. Conclude theories, philosophies and manifestos of various architects or architectural movements based on their differing characters and values. 3. Enumerate theories and philosophies of various architects or architectural movements based on their salient features.
BAGS6315 A	RCHITECTURAL COMPARATIVE STUDIES
3 credits	 This course introduces the students to: the culture, site and context in architecture design impact of the building comparative studies between local and abroad building styles significant cultural and social aspects specific technical and/or environmental studies. Students will have the opportunity to present research findings effectively and professionally.
	 At the end of the course, students are able to: Analyze issues of culture, site and context in architecture of a site outside Malaysia and the influence of different civilisations on architecture. Analyze the design of selected buildings and sites to include concept, spaces, structure, material, sustainability and uniqueness. Perform the presentation of research findings effectively and professionally.
BAGS6316 B	UILDING CONSERVATION
3 credits	The course introduces the students to the rigorous conservation process from the need for significant research to preparation of measured drawing, survey of building condition and defects and preparation of conservation statements. The course also introduces the principles and methods of building conservation as recommended by the UNESCO and ICOMOS, as well as Malaysian legislations that placed authenticity and integrity as the primary objectives.
	 At the end of the course, students are able to: 1. Indicate the principles of building conservation that emphasizes on the importance of cultural significance, authenticity and integrity of built forms. 2. Explain various forms of conservation practice in architecture, international conventions and guidelines on conservation of cultural properties and relevant existing Malaysian legislations. 3. Analyze best conservation practices related to the use of materials, techniques, approaches, philosophies, measured drawings, dilapidation surveys and conservation statements.

BAGS6317 D	ESIGN - BUILD PROJECT
3 credits	 This course introduces the students to: the process of design and building the real construction site simple design, build task and familiarize with tools and trade of construction design a usable project and the best design will be selected to be constructed Students will also be working with builders and exposed construction technical aspect. At the end of the course, students are able to: Translate design ideas into construction detail. Assemble small physical structure to 1:1 scale. Appraise the performance of the built structure.
BAGS6318 U	RBAN PLANNING
3 credits	 Study on an overview of basic urban planning and design techniques; urban development policies, land use policies; housing policies, transport policies and traffic management policies and; basic city structure and form. At the end of the course, students are able to: Determine basic urban planning and design techniques. Discuss basic urban planning and design policies and strategies. Analyze an existing urban development area to planning and urban design theories and concepts.
BAGS6319 IN	ITERIOR ARCHITECTURE
3 credits	 Synopsis of Course Contents Study on planning and layout of interior spaces; colour theory; finishes and furniture; lighting and acoustics; M & E services; structure and; information technology applications At the end of the course, students are able to: Discuss the history, philosophy and essentials of interior architecture. Apply knowledge obtained with regards to all aspects of interior design. Prepare a sketch design proposal and detail design drawings for an interior space of medium complexity.
BAGS6320 LA	ANDSCAPE ARCHITECTURE
3 credits	 This course provides opportunities for students to develop and demonstrate knowledge, understanding and skills in the following areas: knowledge and understanding of landscape design planting design theoretical studies At the end of the course, students are able to: Criticize the qualities of landscape spaces. Appraise critically landscape design works.

	3. Integrate basic principles of planting design, maintenance and management in design projects.
BAGS6321 UNIVERSAL DESIGN	
3 credits	 The students will be exposed to: obtain basic skills and eventually build on those skills to be Universal Design advisors or facilitators assist in conducting 'access audit' training do access audit reports appraise building plans on accessibility issues interview the user with special needs At the end of the course, students are able to: Investigate building plans for accessibility. Apply knowledge and skills of Universal Design. Propose solutions for accessible building plans.

Programme Coordinator



DR. NORAFIDA AB GHAFAR

Coordinator for Master of Architecture (by coursework) PhD (Sustainable Architecture), University of Notingham, UK MA (Urban Design), Oxford Brookes University, UK Pg.Dipl. (Architecture), Oxford Brookes University, UK Pg.Dipl. (Urban Design), Oxford Brookes University, UK Dipl. (Architecture), Institute Technology MARA Tel: 03- 7967 5392 E-mail: norafida@um.edu.my

Administrative Staff



NORIZAN BINTI ABD. RAJI

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MISCELLANEOUS INFORMATION



MISCELLANEOUS INFORMATION

- (1) All Postgraduate Candidates should adhere to the following where and when necessary:-
 - (a) University of Malaya (Degree of Doctor of Philosophy) Rules and Regulations 2019
 - (b) University of Malaya (Master Degree) Rules and Regulations 2019
 - (c) University of Malaya (Discipline of Students) Rules 1999
 - (d) Any other rules & regulations of the University
- (2) You may refer to the following for more information on our program(s) and / or miscellaneous matters pertaining to your candidacy:-
 - (a) http://fbe.um.edu.my
 (b) https://um.edu.my
 (c) https://myum.um.edu.my
 (d) https://epay.um.edu.my
 - (e) https://umsitsguide.um.edu.my/
 - (f) https://maya.um.edu.my

(3) Important Contacts and reference person:-

FACULTY OF BUILT ENVIRONMENT

- Deputy Dean (Higher Degree) Tel: 603- 7967 6880 / 5320 / 6899 tdit_fab@um.edu.my
- Assistant Registrar (Higher Degree)
 Tel: 603- 7967 4449
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- **Program Coordinator, Master of Real Estate** coordinator_mre@um.edu.my
- Program Coordinator, Master of Project Management coordinator_mpm@um.edu.my
- **Program Coordinator, Master of Facilities and Maintenance Management** coordinator_mfmm@um.edu.my
- **Programme Coordinator, Master of Architecture** coordinator_march@um.edu.my

ACADEMIC ADMINISTRATION & SERVICE CENTRE (AASC)

 International Students Service Centre (visa) Tel: 603- 7967 7857/ 7858/ 7859 e-mail: iss_aasc@um.edu.my

- Admission & Registration Section Tel: 603- 7967 4404/ 4407/ 4517/ 4528 e-mail: skp_aasc@um.edu.my
- Examination & Graduation Sections
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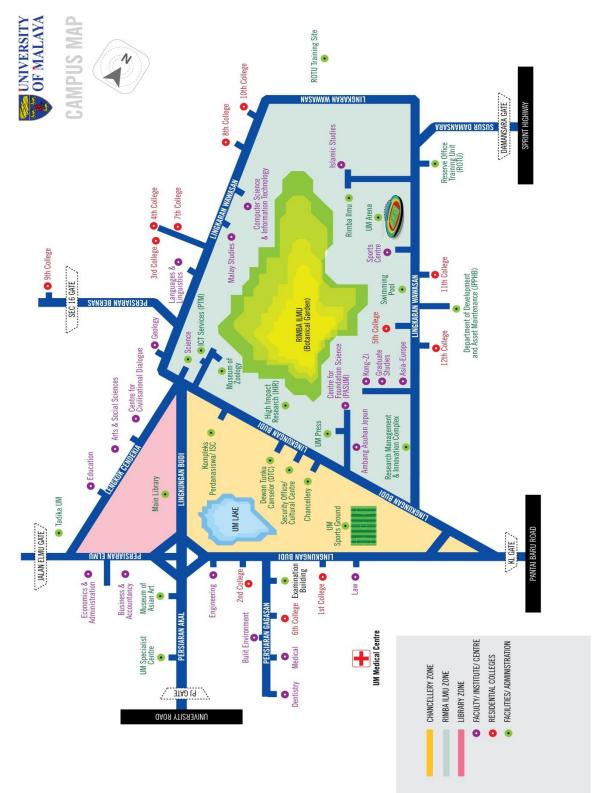
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CAMPUS MAP





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