POSTGRADUATE PROGRAMMES
Universiti Teknologi MARA
Cawangan Perak

POSTGRADUATE PROGRAMMES
Faculty of Architecture, Planning & Surveying
Universiti Teknologi MARA (Perak)

PhD in DESIGN AND BUILT ENVIRONMENT
(Mixed-Mode Programme)
MASTER OF SCIENCE IN GREEN ARCHITECTURE
(Mixed-Mode Programme)
MSc. in Green Architecture
(Sarjana Sains Senibina Hijau)

ENTRY REQUIREMENTS
Applicants must fulfill UiTM’s entry requirement and have obtained:
a) A Bachelor Degree in built environment from recognized universities or other equivalent qualifications from related science and technology disciplines with a minimum CGPA of 3.00; OR
b) A Bachelor Degree in built environment from recognized universities or other equivalent qualifications from related science and technology disciplines with a minimum CGPA of 2.75 and 2 years working experience in related fields. AND
c) A minimum score of 500 for TOEFL and 6.5 for IELTS (international applicants).

DURATION OF STUDY
Minimum duration is 1 1/2 years (minimum 3 semesters for a full-time study and 2 years (minimum 4 semesters) for a part-time study. This is a mixed-mode programme that offers 40 credit hours which constitutes 30% for coursework and 70% dissertation.

JOB PROSPECT
Upon completion of the programme, graduates may find employment in the built environment industry which include:

- Green Building Specialist Consultants
- Government Sectors (JKR, KeTTHA, etc)
- Contractors or Developers in Built Environment
- Research Institutions (Green Building R&D)
- Public and Private Universities
- Local Authorities

OVERVIEW
Master of Science in Green Architecture is offered by the Faculty of Architecture, Planning and Surveying, UiTM (Perak). It emphasizes both practical and theoretical knowledge in Green Architecture such as tropical climate, conscious design, environmental management, building performance, building environmental simulation, building materials and environmental experimentation and economics of green architecture.

The programme is related to the niche area and strength of UiTM Perak’s resources (vernacular and tropical architecture). The programme development will suit the current and future scenario of the built environment as outlined by National Green Technology Policy 2009. The programme focuses on minimizing harmful effects on human health and the environment through theoretical course and research.

COURSES OFFERED

CORE
GAR711 Research Methodology
GAR712 Climate Conscious Design
GAR730 Thesis

ELECTIVE (Choose 2)
GAR713 Environmental Management
GAR714 Building Performance
GAR715 Building Environment Simulation
GAR716 Building Material and Environmental Experimentation
GAR717 Economics of Green Architecture

INQUIRIES
For more information, please contact:

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harya966@perak.uitm.edu.my

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Coordinator
Centre of Graduate Studies
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khari511@perak.uitm.edu.my
ENTRY REQUIREMENTS
(MSc in Green Architecture: AP 763)

Applicants must fulfill UiTM’s entry requirement and have obtained:

- a) A Bachelors degree in built environment from recognized universities or other equivalent qualifications from related science and technology disciplines with a minimum CGPA of 3.00, OR

- b) A Bachelors degree in built environment from recognized universities or other equivalent qualifications from related science and technology disciplines with a minimum CGPA of 2.75 and 2 years working experience in related fields, AND

- c) A minimum score of 500 for TOEFL and 6.5 for IELTS (international applicants).
Minimum duration is 1 ½ years (minimum 3 semesters) for a full-time study and 2 years (minimum 4 semesters) for a part-time study. This is a mixed-mode programme that offers 40 credit hours which constitutes 30% for coursework and 70% for dissertation.
### COURSES OFFERED

<table>
<thead>
<tr>
<th>Core</th>
<th>Elective</th>
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<tbody>
<tr>
<td>GAR711</td>
<td>GAR715 Building Environmental Simulation</td>
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<tr>
<td>Research</td>
<td>GAR713 Environmental Management</td>
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<tr>
<td>Methodology</td>
<td>GAR714 Building Performance</td>
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<td>GAR717 Economic of Green Architecture</td>
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<td>GAR712</td>
<td>GAR716 Building Material and Environmental Experimentation</td>
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<tr>
<td>Climatic</td>
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<td>Conscious</td>
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<tr>
<td>Design</td>
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</table>

Choose 2 elective
Doctor of Philosophy Design & Built Environment
(Doktor Faksaiah Rekabentuk & Alam Bina)

**OVERVIEW**
PhD Design and Built Environment is a semi structured programme specializing in the area of Design and Built Environment where knowledge in cross disciplines is highly encouraged. The program is geared towards the discovery of new knowledge in the fields. The graduate is required a year if residency. The programme is structured for a candidate to compulsory taken a year coursework equivalent to 18 credit and to successfully defence a proposal at the end of first year. Based on the academic expertise in the faculties, there are four (4) research areas identified namely:

**ART AND DESIGN**
- Historical artefacts
- Religious art and design
- Vernacular architecture and symbolism
- Malay arts and architecture

**BUILDING CONSTRUCTION, TECHNOLOGY AND CONSERVATION**
- Building construction technology
- Urban planning and infrastructure
- Spatial design ergonomics and furniture design technology
- Quantity surveying
- Geomatics
- Conservation technology

**ARCHITECTURAL, DESIGN AND TOWN PLANNING**
- Design education
- Design practices
- Sustainable architecture and design
- Human factors ergonomics

**BUILT ENVIRONMENT MANAGEMENT**
- Real Estate Management
- Building construction and management
- Facilities management
- Land development and administration

**ENTRY REQUIREMENTS**
- a) Recognized Master’s Degree (in a relevant field) from UiTM or any institutions of higher learning recognized by the Government of Malaysia or its equivalent.
- b) For international students, TOFL score of 500 or IELTS of 6.0 or equivalent

**DURATION OF STUDY**
Minimum duration is 3 years (minimum 6 semesters) for a full-time study and 4 years (minimum 8 semesters) for a part-time study. This is a mixed mode programme (coursework and thesis).

**COURSES OFFERED**

<table>
<thead>
<tr>
<th>CORE</th>
<th>COURSE</th>
<th>TITLE</th>
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<tbody>
<tr>
<td>DNE911</td>
<td>Design and Built Environment</td>
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<tr>
<td>DNE912</td>
<td>Research Methodology 1 1st Year</td>
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<tr>
<td>DNE913</td>
<td>Theory in Design &amp; Environment (Semester 1)</td>
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<tr>
<td>DNE921</td>
<td>Proposal Writing and Defense</td>
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<tr>
<td>DNE922</td>
<td>Research Methodology 2 1st Year</td>
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<tr>
<td>DNE923</td>
<td>Analysis of Research Issue In (Semester 2)</td>
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<td>DNE931</td>
<td>Design and Built Environment</td>
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<td>DNE932</td>
<td>Thesis Writing 2nd Year (Semester 3)</td>
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<td>Thesis Writing 2nd Year (Semester 4)</td>
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<td>DNE934</td>
<td>Thesis Writing 3rd Year (Semester 5)</td>
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<tr>
<td>DNE935</td>
<td>Thesis Writing 3rd Year (Semester 6)</td>
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</tbody>
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**INQUIRIES**
For more information, please contact:

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MIXED MOD PROGRAMME
3 years (6 semester)

Minimum duration is 3 years (minimum 6 semesters) for a full-time study and 4 years (minimum 8 semesters) for a part-time study. This is a mixed-mode programme (coursework and thesis).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
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<tbody>
<tr>
<td>DNE 911</td>
<td>Design and Built Environment</td>
<td>Semester 1</td>
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<td>DNE 912</td>
<td>Research Methodology 1</td>
<td>Semester 1</td>
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<td>DNE 913</td>
<td>Theory in Design &amp; Environment</td>
<td>Semester 1</td>
</tr>
<tr>
<td>DNE 921</td>
<td>Proposal Writing and Defense</td>
<td>Semester 2</td>
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<td>DNE 922</td>
<td>Research Methodology 2</td>
<td>Semester 2</td>
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<td>DNE 923</td>
<td>Analysis of Research Issue in Design and Built Environment</td>
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<td>DNE 931</td>
<td>Thesis Writing</td>
<td>Semester 3</td>
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<tr>
<td>DNE 932</td>
<td>Thesis Writing</td>
<td>Semester 4</td>
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<td>Semester 5</td>
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<td>Thesis Writing</td>
<td>Semester 6</td>
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Four (4) research areas

<table>
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<tr>
<th>ART AND DESIGN</th>
<th>BUILDING CONSTRUCTION, TECHNOLOGY AND CONSERVATION</th>
<th>ARCHITECTURAL, DESIGN AND TOWN PLANNING</th>
<th>BUILT ENVIRONMENT MANAGEMENT</th>
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<tbody>
<tr>
<td>Historical artifacts</td>
<td>Building construction technology</td>
<td>Design education</td>
<td>Real Estate management</td>
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<tr>
<td>Religious art and design</td>
<td>Urban planning and infrastructure</td>
<td>Design practices</td>
<td>Building construction and management</td>
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<tr>
<td>Vernacular architecture and symbolism</td>
<td>Spatial design ergonomics and furniture design technology</td>
<td>Sustainable architecture and design</td>
<td>Facilities management</td>
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<tr>
<td>Malay arts and architecture</td>
<td>Quantity survey</td>
<td>Human factors</td>
<td>Land development and administration</td>
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<tr>
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<td>Geomantic Conservation technology</td>
<td>ergonomics</td>
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ENTRY REQUIREMENTS
(PhD Design & Built Environment : AP 992)

- Recognised Master's Degree (in a relevant field) from UiTM or any institutions of higher learning recognized by the Government Malaysia or its equivalent.

- For international students, TOEFL score of 500 or IELTS of 6.0 or equivalent.
Postgraduate Activities
# Lecture Plan

**Design and Built Environment (DNE 911)**  
**Research Methodology (DNE 912)**  
**Theory in Design and Built Environment (DNE 913)**  

Lecture Venue: ILQAM Seminar Room

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>DNE 911/LECTURER (Friday: 8-11 pm)</th>
<th>DNE 913/LECTURER (Saturday: 9-11 am)</th>
<th>DNE 912/LECTURER (Saturday: 2-5 pm)</th>
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<tbody>
<tr>
<td>1</td>
<td>11 SEP</td>
<td>INTRODUCTION DR SALWA AYUB</td>
<td>INTRODUCTION DR NORHASANDI MAT</td>
<td>INTRODUCTION TO RESEARCH DR HARYATI MOHD ISA</td>
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<td>12 SEP</td>
<td>ART AND DESIGN</td>
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<tr>
<td>2</td>
<td>18 SEP</td>
<td>THEORIES IN ART &amp; DESIGN DR SALWA AYUB</td>
<td>CONTEMPORARY ISSUES IN ART &amp; DESIGN PROF DR ZAKARIA ALI</td>
<td>RESEARCH PROCESS DR HARYATIMOHDI ISA</td>
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<td>3</td>
<td>25-26 SEP</td>
<td>AIDIL ADHA</td>
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<td>OVERVIEW OF CONCEPT, RESEARCH FRAMEWORK DR NURHISAM IBRAHIM</td>
<td>LITERATURE REVIEW DR LILAWATIAB WAHAB</td>
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<td></td>
<td></td>
<td>LECTURE AND TOWN PLANNING</td>
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<td>OVERVIEW OF CONCEPT &amp; THEORIES DR ABDUL HALIM ABDUL MANAF</td>
<td>LITERATURE REVIEW DR LILAWATIAB WAHAB</td>
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<td>OCTOBER – TRIP SG BATU, KEDAH</td>
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Professional & Expert Talk Series

Siri Syarahan Hijau
2015
Master of Science in Green Architecture (AP763)
Fakulti Senibina Perancangan & Ukur
UITM Cawangan Perak
7 Nov 2015
Bilik Seminar ILQAM

Quality Living In A Green Sustainable City
Academic Conference & Research Workshop

Dato' Dr. KEN YEANG

Dato' Dr. Ken Yeang is a world-renowned architect, planner and the inventor of the Biomimetic skyscraper - low energy skyscrapers based on biomimetic design principles. He is well known for designing signature green high-performance buildings and master plans, and for his pursuit of ecological aesthetics in his designs. He has completed more than 200 eco-design projects and his world-renowned 'biomimic' towers demonstrated the fusion of high-tech with organic principles.

His expertise originated from his early work as a doctoral candidate at Cambridge University (1971-1974), followed by his BEO endeavors that led to the design of the Malaysia World Trade Centre, the first ever building to be designed using biomimetic design and high-rise design. Some of his highly-regarded publications include "The Skyscraper: Biomimetically Considered," "The Green Skyscraper: The Basis for Designing Sustainable, Intensive Buildings," and "Green Design: A Manual for Ecological Design."

Some of the major accolades that he has received include the Aga Khan Award for Architecture (Mansara Mosque), the Prince Claus Award (Netherlands), the AIA International Union of Architects Aquis Perei Award, the Malaysian Institute of Architects Gold Medal (2011), and the WASC (World Association of Chinese Architects) Gold Medal (Estates Building, 2011 and National Library Singapore).

KEYNOTE SPEAKERS

Ar MASTOR SURAT, PhD

Ar Dr Master Surat, is a Senior Academic Fellow at the Department of Architecture, Faculty of Engineering and Built Environment, Universiti Teknologi Malaysia (UM). He is also the Head of the National Identity Architecture Council Secretariat. Over the past eight years, he headed the team of Senior Research Fellow at Qatar Energy Research Institute, Department of Marine Energy Technologies at Qatar University. He served as the Head of Department for Architectural Department, Faculty of Engineering and Built Environment, UTM from May 11, 2009 to May 11, 2011. With his vast experience and exposure in professional consultatory and architectural practices, he is currently serves as a Director for UTM Research Management & Achievements Unit (RMAU) since 2013 to present. He is a principal at Master Architect.

Ar Dr Master holds a PhD in architecture from UUM in the field Malaysian Mosque Architecture. He is directly involved in scientific researches, while actively presenting and publishing papers in journals and proceedings in field related to the history & philosophy of traditional Malay architecture, national identity in architecture, conservation of Malay heritage architecture, architectural education, architectural practice, construction technology and the数字化发展.

Recently, his publications is a book called "Beri Ilmu dan Fikir Profesionalisme (Architecture and Professionalism)" published by Dewan Bahasa dan Pustaka in year 2013.

His research and design pursuits have been acknowledged by numerous bodies. Among these are the Asian Pacific Arts and Cultural Organisation (APACO) 2008 for Excellence in Architecture for Both Under-Ground, Cameron Highland project (under the Public & Civil Building category) and Shanghai Expo Office & Showroom (under the Overseas Projects category), a Silver Medal award for The Invention of A Lost Malaya Phoenix –Reconstruction of The late Tengku-Phahat (Dr. Amin) at ITIA, 2010 and the PAM 2014 Gold Medal award for Excellence In Architecture For Building Point 02, Petaling Jaya, Selangor.

Dr OTHAMAN TALIB (Dr OT)

WORKSHOP IN CONJUNCTION WITH SO GREEN 2015 CONFERENCE

8 OCTOBER 2015

Visit website for more details: www.perak.utm.edu.my/ogreen2015

Dr. Othman Talib completed his secondary and post-secondary education at the King George V Secondary School, Seremban and the Matriculation Centre, University Kebangsaan Malaysia (UKM). He completed his first degree in Chemistry from UKM in 1986. He then appointed as a Chemist (temporary basis). A year later, he was appointed as a Chemistry lecturer at the Matriculation Centre, University Kebangsaan Malaysia until 1995. In January 2000, he was appointed as a Consultant in the Faculty of Educational Studies, UKM. He pursued his study at the University of Adelaide, Australia and obtained the Doctor of Education degree in 2007.

Dr. Othman Talib added 5 new photos.

Go Green 2015....
Academic Trips & Retreat
Research Camp
Facilities

Seminar Rooms
Experimental Laboratory
Postgraduate Center
Library
Hostel (for MSc. Students)
More than 50 Lectures with PhD
Various field & Multi Discipline in Built Environment and Design.
Thank You

Selamat Datang ke UiTM Cawangan Perak