

Fakulti Alam Bina

Faculty of Built Environment

buku panduan pelajar
prasiswazah 2019/2020

Visi UNIMAS

Untuk menjadi sebuah universiti contoh serta diiktiraf di peringkat antarabangsa dan sebagai institusi pengajian tinggi yang menjadi pilihan utama golongan pelajar dan akademik melalui pencapaian cemerlang dalam pengajaran, penyelidikan dan keserjanaan.

Misi UNIMAS

Untuk menjana, menyebarkan dan menerapkan ilmu secara strategik dan inovatif bagi memperkasakan kualiti budaya bangsa dan kemakmuran masyarakatnya.

UNIMAS Vision

To become an exemplary university of internationally acknowledged stature and a scholarly institution of choice for both students and academics through the pursuit of excellence in teaching, research and scholarship.

UNIMAS Mission

To generate, disseminate and apply knowledge strategically and innovatively to enhance the quality of the nation's culture and prosperity of its people.

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Kata Aluan

Foreword



Prof Ar Nurakmal Abdullah Goh

Dean

Faculty of Built Environment
Universiti Malaysia Sarawak

Assalamu'alaikum Warahmatullahi Wabarakatuh dan Salam Sejahtera

Welcome to the Faculty of Built Environment, the 10th faculty in UNIMAS!

Faculty of Built Environment is set to integrate the multidisciplinary professions of the built environment, drawing upon technical, social and economic knowledge to transform the way humanity inhabits the earth in the creation of a pleasing and sustainable built environment. Faculty of Built Environment embraces the issues in the 17 Sustainable Development Goals in teaching and learning, thereby nurturing our graduates to be part of society, playing their role for the betterment of the built environment. Our programs offered are to encompass the IR4.0 and to be inclusive of our selected suitable and relevant subjects, in preparing our graduate to be future ready for the complex 21st century environment.

Our programs are currently accredited by the Malaysian Qualifications Agency (MQA). We are committed to continue enhancing and updating our program to be in line with the requirements of local professional bodies and to establishing programs that are fully accredited.

We invite you to explore the possibilities and opportunities in academic studies, research, development and consultancy provided in our creative organization.

“STRENGTHEN TOGETHER”

Prof Ar Nurakmal Abdullah Goh

Jawatankuasa Pengurusan Fakulti

Faculty Management Committee



Dekan
Dean

Prof Ar Nurakmal Abdullah Goh



Timbalan Dekan
Deputy Dean

Prof Madya Dr Siti Halipah Ibrahim



Timbalan Dekan
(Penyelidikan & Siswazah)
Deputy Dean (Research & Graduate)

Prof Ar Dr Julaihi Wahid



Ketua Jabatan Senibina
Architecture Head of Department

Dr Bambang Karsono



Ketua Jabatan Ukur Bahan
Quantity Surveying Head of Department

Prof Madya Sr Dr Afzan Ahmad Zaini



Penolong Pendaftar Kanan
Senior Assistant Registrar

Encik Mizan Morshidi

Staf Pentadbiran dan Teknikal

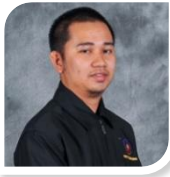
Administrative and Technical Staff



Mizan bin Morshidi
mmizan@unimas.my
Samb/ext: 2684



Nuraishah bin Abdul Karim
aknuraishah@unimas.my
Samb/ext: 2685



Mohamad Tajuddin bin Unus
umtajuddin@unimas.my
Samb/ext: 3826



Zaharaa' binti Hadzli
hzaharaa@unimas.my
Samb/ext: 3826



Claudia Anne Allin
aclaudia@unimas.my
Samb/ext: 3828



Roslawati binti Kono
krosla@unimas.my
Samb/ext: 3824



Mohamad Fairuz bin Hasbi
hmfairuz@unimas.my
Samb/ext: 3827



Draman bin Abun
adraman@unimas.my
Samb/ext: 3824

Struktur Akademik

Academic Structure

Struktur Program | *Programme structure*

Setiap program pengajian di UNIMAS telah direkabentuk menurut kurikulum yang berasaskan kepada pembangunan individu secara total sebagai warga yang berautonomi tetapi saling bekerjasama dalam masyarakat. Struktur program pengajian mengandungi kursus-kursus menurut kategori berikut:

Each program at UNIMAS has been designed in accordance with the curriculum that is based on individual development as an autonomous citizen but working together in the community. The structure of the program consists of courses in the following categories:

01 Kursus Teras / Core Courses

Kursus-kursus yang memberikan pengetahuan dan kemahiran ke arah pengkhususan dalam sesuatu bidang atau lapangan yang dituntut bagi sesuatu Program. Kursus ini adalah wajib bagi semua pelajar dan mereka diwajibkan untuk lulus.

The courses provide knowledge and skills specializes in a particular field required for a program. The courses are mandatory for all students and they have to obtain a pass.

02 Matapelajaran Umum / General Education Subjects

Mata Pelajaran Umum adalah kursus wajib universiti yang perlu diambil bagi tujuan pengijazahan. Kursus-kursus dibawah kategori MPU dilihat mampu untuk melahirkan graduan yang holistic, menghayati nilai-nilai patriotism dan jati diri beracuan Malaysia serta menguasai kemahiran insaniah ke arah memenuhi kebolehpasaran kerja. Kod kursus dibawah kategori ini bermula dengan MPU.

General Education Subjects are compulsory university courses which is the pre-requisite for the undergraduate award. Courses under the category of MPU are seen to be able to produce holistic graduates, appreciate the values of patriotism and Malaysian-born identity and mastering soft skills towards

fulfilling job-oriented skills. The course code under this category starts with MPU.

03 Kursus Elektif Universiti / University Elective Courses

Kursus yang diambil samada daripada program lain di dalam atau di luar fakulti.
Courses offered by other program inside or outside the faculty.

Pre-requisite / requisite / Co-requisite

- A pre-requisite means a course or other requirement that a student must have taken and passed prior to enrolling in a specific course or program
- A requisite means a course or other requirement that a student must have taken prior to enrolling in a specific course or program
- A co-requisite means a course or other requirement that a student must take at the same time as another course or requirement.

Sistem Semester dan Kursus Bermodul | Semester System and Modular Courses

Struktur pengajian di UNIMAS berasaskan kepada struktur semester dengan kursus bermodul. Tahun pengajian dibahagikan kepada dua semester:

Semester 1	14 minggu
Semester 2	14 minggu

Kursus yang ditawarkan adalah berbentuk modul, dan setiap modul mempunyai unit-unit pembelajaran tertentu. Setiap modul kursus mempunyai nilai kredit. Sebagai panduan, satu kredit memerlukan pelajar menumpukan kira-kira 3 jam pembelajaran seminggu bagi kursus berkenaan. Masa tersebut digunakan untuk aktiviti formal seperti kuliah, tutorial, amali dan/ atau ujian, serta aktiviti kendalian sendiri seperti membaca, berbincang dan menyiapkan tugas yang diperlukan oleh kursus tersebut.

Courses offered are in module system, and each module has specific learning units. Each module has a credit value, one credit requires students to devote about 3 hours of learning per week for the course. Time is used for informal activities such as lectures, tutorials, lab and / or test, as well as its own operating activities, such as reading, discussing, and complete assignments required by the course.

Pendaftaran Kursus | Course registration

Pendaftaran bagi semua kursus perlu dilakukan pada masa dan tempoh yang ditentukan. Pelajar diwajibkan mendaftar pada tarikh dan tempoh masa yang akan diumumkan oleh Bahagian Pengajian Prasiswazah.

Registration for all courses must be done on time and within a specified period. Students are required to register within the time stipulated by the Undergraduate Studies Division.

Penilaian | Evaluation

Prestasi dalam sesuatu kursus dinilai menurut beberapa kaedah, secara berterusan, termasuk penilaian kerja kursus, tugas, ujian dan peperiksaan. Prestasi itu ditentukan menurut sistem Purata Nilai Gred (PNG), dan prestasi pelajar bagi setiap peringkat dan keseluruhan diberikan sebagai Purata Nilai Gred Kumulatif (PNGK).

Performance in a course shall be assessed continuously according to several methods, including course work, assignments, tests and examinations. Performance is determined based on Grade Point Average (GPA), and the performance of students in each level and overall given as a Cumulative Grade Point Average (CGPA).

Kehadiran Pelajar Ke Kuliah | Student Attendance to Lectures

Fakulti Alam Bina menitikberatkan kehadiran pelajar ke kuliah/tutorial/amali. Pelajar yang mempunyai kehadiran kurang daripada 80% tidak akan dibenarkan mengambil peperiksaan semester kecuali pelajar mempunyai sebab yang munasabah atas ketidakhadiran dan tertakluk kepada keputusan Jawatankuasa Pengurusan Fakulti. (Berdasarkan perkara 4.4.1 kelulusan Senat Bil. 5/2008 ke 93 pada 5 Nov 2008).

Faculty of Built Environment emphasizes students' attendance to lectures / tutorials / practicals. Students who have less than 80% attendance will not be allowed to sit for final exams unless the student has a valid reason for the absences and subject to the decision of the Management Committee of the Faculty. (Based on 4.4.1 the approval of the Senate bill. 5/2008 to 93 in November 5, 2008).

Penjiplakan | Plagiarism

Plagiarisme atau penjiplakan adalah perbuatan mencedok atau meniru kata-kata, idea, dan sebagainya daripada hasil karya orang lain atau karya sendiri yang terdahulu dan mengakuinya sebagai karya sendiri yang baharu tanpa menyatakan sumber yang sebenar. Perbuatan berkenaan merupakan satu kesalahan serius dimana pelajar boleh dikenakan tindakan di bawah peraturan Universiti jika didapati bersalah.

Plagiarism is the act of copying or imitating words, ideas, etc. from the work of others or their own previous work and declaring it as their new work without specifying an actual source. The act is a serious offense where a student can be charged under the University rules if found guilty.

“Kecantikan yang abadi terletak pada keelokan adab dan ketinggian ilmu seseorang. Bukan terletak pada wajah dan pakaiannya.” -Hamka

Sistem Mentor-Mentee

Mentor-Mentee System

UNIMAS sentiasa memberi keutamaan kepada kecemerlangan akademik serta pembangunan sahsiah setiap pelajar. Salah satu pendekatan yang boleh membantu untuk merealisasikan matlamat tersebut ialah dengan mewujudkan hubungan dua hala antara pelajar dan pengajar di setiap fakulti melalui sistem mentor - mentee. Melalui sistem ini, pelajar (*mentee*) diberi bimbingan dan nasihat oleh pensyarah (*mentor*) dalam pelbagai aspek terutamanya yang berkaitan dengan hal ehwal akademik. Sistem ini juga mengambil berat terhadap bimbingan lain yang diperlukan oleh pelajar untuk mengharungi cabaran bukan sahaja sebagai seorang pelajar tetapi juga sebagai seorang remaja yang menghadapi perubahan psikologi dan identiti. Mentor memainkan peranan yang penting sebagai Penasihat (*Advisor*) dan juga Contoh Teladan yang Baik (*Positive Role Model*) kepada mentee dalam pelbagai aspek. Keberkesanan sistem ini amatlah bergantung kepada komitmen serta kerjasama di antara kedua-dua pihak.

Melaluinya, pelajar dapat diberi bimbingan dan menerima nasihat dalam hal ehwal akademik serta dapat mengenalpasti masalah berkaitan yang boleh menimbulkan masalah akademik untuk dirujuk kepada pihak tertentu yang mempunyai kepakaran untuk menyelesaikan masalah yang dihadapi.

Seorang Penasihat Akademik/*mentor* boleh membantu pelajar merancang skema pengajian, membuat pemilihan kursus, memahami kurikulum, sistem semester, sistem pendaftaran, sistem peperiksaan dan pengecualian kursus.

Pelajar digalakkan berjumpa terus dengan Penasihat Akademik/*mentor* masing-masing untuk mendapatkan bimbingan dan nasihat dalam hal ehwal akademik dan masalah berkaitan. Temujanji boleh dilakukan dengan Penasihat Akademik mengikut kesesuaian masa yang telah ditetapkan.

UNIMAS always accentuates the important of academic excellent and personal development of each student. One of the techniques in achieving these aims is by establishing a mutual interrelationship between the student and lecturer in

mentor-mentee system in which is already implemented in every faculty in this university. In this system, the student (mentee) is provided with guidance and advice in various aspects by a lecturer (mentor) especially those related to the academic. The system also imparts other guidance needed by the student in confronting the challenges not only as a student but also as a teenager coping with psychological and identity changes. Mentor not only performs an important role as advisor but also as Positive Role Models to the mentee in various aspects. The effectiveness of this system depends immensely on the commitment and cooperation of both mentor and mentee.

In which, in this system, the mentee's academic affairs is guided and advised as well as identifying any problem that could lead to academic problems. Should there be any problem, the mentee will be referred to other relevant expert in order to unravel and solve the problems.

An academic mentor is able to help mentee of planning a study scheme, selecting courses, understand the curriculum, semester system, registration, examination and course exemption.

The mentee is encouraged to meet their academic mentor personally for guidance and advices in academic affairs and other related problems in which an appointment should be made with the academic mentor prior to the meeting.

Tugas-tugas mentor adalah seperti berikut:

Academic Mentor tasks are as follows:

- Membuat perjumpaan dengan *mentee* – sekurang-kurangnya 1 kali satu per semester.
Set appointments with mentee of at least 1 time per semester.
- Memantau kemajuan akademik serta perkembangan semasa setiap *mentee*.
Monitor academic progress and development for each mentee.
- Mendengar serta memberi bimbingan kepada *mentee* sekiranya bermasalah.
Listen and provide guidance to mentee with problem.

- Menjaga perkara-perkara yang sulit mengenai *mentee*.
Secure mentee confidential matters.
- Merujuk *mentee* kepada pakar-pakar yang sesuai berhubung penyelesaian masalah-masalah yang khusus.
Refer mentee to appropriate experts for specific problem solving.
- Membantu *mentee* membuat keputusan dalam hal perancangan akademik dan kerjaya.
Assist mentee to make decisions with regards to academic and career planning.
- Menjaga hubungan baik dengan *mentee* supaya sistem mentor-mentee ini dapat dilaksanakan dengan berkesan.
Retain a good relationship with mentee for an effective implementation of mentor- mentee system.
- Menyerah slip keputusan peperiksaan kepada *mentee* pada setiap semester.
Disseminate results slip to mentee for every semester.

“ Be the change that you wish to see in the world.”

- Mahatma Gandhi

Latihan Industri

Industrial Training

Pengenalan | Introduction

Pelajar-pelajar yang mengikuti program Sarjana Muda di Fakulti Alam Bina adalah diwajibkan menjalani Latihan Industri. Pelaksanaan Latihan Industri merangkumi praktikal di industri, penyediaan laporan dan pembentangan serta pemberian markah diadakan dalam satu semester.

Students are required to have an industrial training. The industrial training includes an attachment in industry, report preparation and an oral presentation.

Tujuan Latihan Industri | Aims of Industrial Training

- a) Mendedahkan pelajar kepada pengalaman dan pengetahuan industri dan juga kegiatan-kegiatan yang tidak terdapat di bilik- bilik kuliah;
To expose students to real world industrial experience in compliment with classroom activities;
- b) Membandingkan dan mengamalkan apa yang dipelajari semasa kuliah dengan keadaan sebenar di luar kuliah;
To allow students to compare and practice knowledge acquired from classroom in real world situation;
- c) Mengemukakan pengalaman-pengalaman yang diperolehi semasa Latihan Industri dalam perbincangan di bilik kuliah pada tahun pengajian seterusnya;
To allow students to share their experience from industrial at the next semester;
- d) Menyesuaikan pelajar-pelajar dengan alam pekerjaan yang akan ditempuh selepas tamat pengajian;
To prepare students to real working experience after graduation;

- e) Mendapat pengalaman dalam membuat laporan kerja-kerja;
To provide students with experience in preparing report;
- f) Mendedahkan pelajar kepada tanggungjawab dan etika bekerja.
To expose students to work ethics and the responsibilities;
- g) Mendedahkan pelajar kepada bakal-bakal majikan supaya majikan juga dapat mengetahui dengan lebih mendalam program latihan di Universiti Malaysia Sarawak;
To expose students to future employers in such that the employers can have a better understanding of academic programs in Universiti Malaysia Sarawak;

Dengan pengalaman dan pengetahuan, diharap para graduan akan dapat memilih pekerjaan yang bersesuaian dengan minat mereka apabila tamat pengajian kelak.

With the acquired knowledge and experience, graduates could choose a suitable career path after graduation.

““ Never give up. Today is hard, tomorrow will be worse, but the day after tomorrow will be sunshine.”” - Jack Ma

Garis Panduan Studio Senibina

Architecture Studio Guidelines

Pengenalan | Introduction

1. Tujuan daripada Dasar Studio Senibina ini adalah untuk memperkukuh persekitaran pembelajaran yang positif melalui semangat nilai-nilai asas keyakinan, penuh hormat, perkongsian, penglibatan, dan inovasi antara setiap ahli fakulti, pelajar, pentadbiran dan kakitangan.

The Architecture Program subscribes to this Architecture Studio Policy to reinforce a positive and respectful learning environment through the encouragement of the fundamental values of optimism, respect, sharing, engagement, and innovation between and among the members of its faculty, student body, administration and staff.

2. Studio adalah tempat kerja profesional - ia harus diperlakukan sedemikian. Walaupun Jabatan Senibina menyediakan setiap pelajar yang didaftarkan dalam kursus Rekabentuk tempat yang ditetapkan di studio, ini dianggap sebagai keistimewaan pelajar, bukan semata-mata hak. Pelajar hendaklah menghormati orang lain di studio. Di samping itu, mereka hendaklah menghormati kerja dan ruang kerja orang lain.

The studio is a professional workplace – it should be treated as such. While the Department of Architecture provides every student enrolled in a Design course a designated place in the appropriate studio, this shall be seen as a privilege, rather than a right. Students to respect others in the studio. In addition, they shall respect the work and workspace of others.

3. Jabatan Senibina memberi tumpuan kepada memupuk persekitaran studio yang meningkatkan keupayaan pelajar selari dengan misi UNIMAS. Dengan mewujudkan dan mengekalkan persekitaran yang positif dan penuh hormat, proses kreatif lebih cenderung untuk muncul dan berjaya. Oleh itu, Garis Panduan Budaya Studio berikut mesti diikuti dengan sewajarnya.

The Department of Architecture focuses on fostering a studio environment

that enhances the ability of students to run parallel to the mission of UNIMAS. By creating and maintaining an environment that is both positive and respectful, the creative process is much more likely to emerge and succeed. Thus the following Studio Culture Guidelines must be followed accordingly.

Garis Panduan Budaya di Studio | Studio Culture Guidelines

1. Tanggungjawab | Responsibility

- a. Pelajar dikehendaki bertanggungjawab, tepat dan berhati-hati dalam menggunakan semua ruang, perabot dan peralatan di studio. Kecuali diperintahkan sebaliknya oleh pejabat Pentadbiran FAB, adalah menjadi tanggungjawab para pelajar untuk mengeluarkan daripada bilik studio semua peralatan yang mereka bawa, pada setiap akhir semester.

Responsible, proper and careful use of all spaces, furniture and equipment are expected. Unless instructed otherwise by the FBE Administration office, it is the students' responsibility to remove from classrooms or studios all materials they brought into the space at the end of every semester.

- b. Pintu studio hendaklah dikunci sekiranya tidak digunakan. Adalah menjadi tanggungjawab setiap pelajar untuk memastikan ruang studio dan barang-barangnya dalam keadaan selamat.

The studio doors must be kept locked if not in use. It is the responsibility of each student to keep this space and his/ her belongings secure.

2. Akses dan Keselamatan | Access & Safety

- a. Studio senibina hanya dibuka untuk pelajar senibina sepenuh masa 24 jam sehari kecuali dinyatakan sebaliknya. Di studio, setiap pelajar disediakan dengan ruang kerja peribadi. Adalah penting bahawa semua orang melakukan tanggungjawabnya untuk memastikan keselamatan dan keselesaan semua orang.

The architecture studio is only open for full-time architecture students 24 hours a day unless otherwise stated. In the studio, each student is

provided with a personal workspace. It is important that everyone do his or her part to ensure the safety and comfort of all.

- b. Dijanjikan pelajar akan membuat tugas-tugas mereka di studio rekabentuk, dan atas sebab ini akses disediakan sepanjang 24-jam, 7-hari-seminggu, kecuali dinyatakan sebaliknya. Setiap pelajar akan diberikan nombor pin studio untuk membolehkan akses pada bila-bila masa. Adalah menjadi tanggungjawab setiap pelajar untuk memastikan ruang studio selamat.

It is anticipated that students will do most studio assignments in the design studio, and for this reason access is provided on 24-hours, 7-days-a week basis, unless otherwise stated. Each student will be issued a studio pin number to allow access at any time. It is the responsibility of each student to keep this space secure.

- c. Pintu studio mestilah dikunci dengan selamat apabila tidak digunakan.
The studio doors must be securely locked when not in use.
- d. Laluan dan kawasan pemadam api hendaklah dikosongkan untuk keselamatan kebakaran.
Pathways and fire extinguisher areas shall be kept clear for fire safety.
- e. Barang-barang peribadi yang berharga (komputer riba, kamera, kalkulator, elektronik peribadi, dll.) hendaklah tidak dibiarkan tanpa pengawasan semasa meninggalkan studio. Baik Universiti atau Jabatan Senibina tidak bertanggungjawab terhadap sebarang kehilangan atau barang yang dicuri. Pelajar hendaklah memberitahu pihak keselamatan sekiranya mendapati apa-apa yang mencurigakan.
Valuable personal belongings (laptops, cameras, calculators, personal electronics, etc.) shall not be left unattended when leaving the studio. Neither the University nor the Department of Architecture is responsible for any loss or stolen items. Students to notify security of anything suspicious.

3. Etika | Ethics

- a. UNIMAS menggalakkan imej profesional dan sopan yang konsisten di kampus dan pelajar diingatkan supaya mematuhi kod berpakaian semasa di studio atau sebarang aktiviti di dalam kampus. Ini termasuk memakai kasut yang bersesuaian.

UNIMAS promotes a consistent professional and modest image on campus and would like to remind students to adhere to the stipulated dress code while in the studio or any activities within the campus. This shall include wearing proper shoes.

- b. Merokok / merokok elektronik tidak dibenarkan di studio, atau di mana sahaja di dalam bangunan kampus, termasuk tangga.

Smoking/ vaping is not permitted in the studio, or anywhere in the campus building, including the stairwells.

- c. Makanan dan minuman dibenarkan di studio, tetapi pengguna wajib menjaga kebersihan secara menyeluruh.

Food and drinks are permitted in the studio, but users are obligated to clean up thoroughly.

- d. Semua aktiviti memotong mesti terhad di atas alas memotong sahaja. Pemotongan tidak dibenarkan di atas meja lukis, di lantai, atau di mana-mana permukaan yang tidak dimaksudkan secara khusus untuk tujuan itu.

All cutting activities must be confined to cutting mats only. No cutting is permitted on the drafting boards, on the floor, or on any surface not specifically intended for the purpose.

- e. Semua kerja semburan aerosol mestilah terhad kepada ruang yang diperuntukkan sahaja. Tiada semburan aerosol boleh digunakan di studio atau bangunan, termasuk tangga.

All aerosol spraying works must be confined to allocated space only. No aerosol sprays may be used within the studio or the building, including stairwells.

- f. Pelajar tidak boleh menggunakan semburan semburat, pelekat semburan, cat atau apa-apa bahan yang serupa pada permukaan meja, lantai atau permukaan kerja yang tidak dilindungi, di studio,

bilik kelas, koridor dan / atau tangga. Bahan-bahan ini berbahaya dan mudah terbakar. Penggunaan bahan-bahan ini hendaklah dilakukan di luar studio.

Students shall not use spray fixative, spray adhesive, paint, stain or any similar materials on unprotected desktops, floors or other work surfaces in the studio, classrooms, corridors and/or stairways. These materials are hazardous and flammable. The use of these materials shall be done outside the studio.

- g. Pelajar tidak boleh mengganggu, membongkar, atau memindahkan perabot. Pelajar dilarang menampal, skru, melekat, atau membongkar mana-mana kerusi atau meja.

Students shall not tamper with, dismantle, or move the furniture. Do not mount to, attach to, screw into, adhere to, or dismantle any of the chairs or desks.

- h. Pelajar tidak boleh membawa perabot atau perkakas ke studio. Kursi, sofa, peti sejuk, periuk nasi, ketuhar gelombang mikro, pembuat kopi, dan lain-lain, tanpa kebenaran daripada pejabat Pentadbiran FAB.

Students shall not bring furniture or appliances into the studio. Chairs, couches, refrigerators, rice cooker, microwaves, coffee makers, etc. without permission from the FBE Administration office.

- i. Pelajar tidak boleh melekat, atau menggunakan perekat pada peralatan atau perabot.

Students shall not apply decals, stickers, or used tape or drafting dots to the equipment or furnishings.

- j. Murid-murid hendaklah mengelakkan diri dari dekat dan / atau memberi makan mana-mana binatang / burung / haiwan liar untuk keselamatan dan kebersihan diri. Pelajar tidak dibenarkan menjaga sebarang haiwan peliharaan di studio.

Students to refrain from going close to and/or feeding of any domestic/wild animal/bird for own safety and hygiene. Students are not allowed to keep any animal as a pet in the studio.

- k. Sebarang bayaran atas kerosakan di studio atau kehilangan peralatan akan dikenakan ke atas pelajar, secara individu atau kolektif bergantung kepada keadaan, untuk menampung kos penggantian atau pembaikan.

Damage to the studio or loss of equipment will result in charges assessed to students, individually or collectively depending on the circumstances, to cover replacement or repair.

4. Kebersihan | Cleanliness

- a. Semua sampah hendaklah dibuang ke dalam bekas sampah yang sesuai yang disediakan oleh UNIMAS. Pelajar bertanggungjawab untuk semua kos pembersihan, cat dan / atau pembaikan yang disebabkan oleh tindakan pelajar yang tidak sesuai atau cuai ke atas harta universiti.

All trash has to be placed in the appropriate receptacles provided by UNIMAS. Students are responsible for all cost incurred for cleaning, painting and/or repair caused by inappropriate or careless of University property.

- b. Pelajar hendaklah bertanggungjawab menjaga kebersihan studio dan mengitarsemula dengan sewajarnya. Pelupusan sisa yang tidak sewajarnya, menyebabkan persekitaran kerja yang tidak selamat, menarik haiwan perosak dan mencemari sistem kitarsemula. Gula-gula getah hendaklah dibuang dengan betul dalam bekas sampah.

Students shall be responsible keep the studio clean and recycle properly. Poor waste disposal creates an unsafe working environment, attracting pests and contaminating recycling systems. Chewing gum shall be properly disposed in trash receptacles.

- c. Semua bahan hendaklah disimpan dengan sewajarnya.

All materials are to be stored accordingly.

- d. Bilah pisau yang telah digunakan hendaklah dilupuskan dengan betul. Pembuangan bilah yang tidak sewajarnya membawa kepada kecederaan serius. Sebarang bilah pisau tidak dibenarkan di atas meja, ditampal ke meja, dibuang ke dalam bekas sampah / kitar semula atau dikumpulkan dalam bekas buatan sendiri.

Used blades are to be disposed properly. Poor blade disposal leads to serious injuries. Loose blades are not allowed on desks, stuck into desk boards, discarded in the trash/recycling receptacles or collected in homemade containers.

- e. Ruang kerja hendaklah dibersihkan selepas kerja selesai pada hari itu.
Workspace shall be cleaned up after works are finished for the day.

5. Persekitaran | Environment

- a. Pelajar tidak boleh menyalahgunakan studio, peralatan atau isinya.
Students shall not otherwise deface or abuse the studio, equipment or its contents.
- b. Pelajar dikehendaki menghormati keperluan orang lain yang bekerja di studio atau berdekatan.
Students are expected to respect the needs of others working in the studio or nearby.
- c. Pelajar tidak boleh meminjam bekalan atau peralatan dari orang lain tanpa pengetahuan dan kebenaran mereka.
Students shall not borrow supplies or equipment from others without their knowledge and approval.
- d. Pelajar tidak boleh menggunakan atau mengganggu meja pelajar lain. Meja disediakan secara individu. Sekiranya ada kerja yang perlu dilakukan, pelajar hendaklah memastikan ia tidak mengganggu ruang pelajar yang lain.
Students shall not use or tamper with other students' desks. Desks are individually assigned. Should there be any work to be done, student to ensure it does not interfere with another student's space.
- e. Muzik dan media hendaklah digunakan secara senyap dan dengan tanggungjawab. Pelajar tidak digalakkan memainkan muzik pada tahap yang boleh mengganggu orang lain.
Music and media are to be used quietly and responsibly. Students are

discouraged to play music at a level that is distracting to others.

6. Akhir Semester | End of the Semester

- a. Semua kerja, bahan, dan peralatan hendaklah dikeluarkan pada setiap akhir semester. Segala barang yang ditinggalkan akan dibuang. Pelajar hendaklah bertanggungjawab dan mengitarsemula dengan sewajarnya.

All works, materials, and equipment shall be removed at the end of each semester. Anything left behind will be discarded. Students shall be responsible and recycle appropriately.

- b. Semua barangan dan bahan peribadi mesti dikeluarkan dari studio pada setiap akhir semester. Ruang kerja mesti dibersihkan dan ditinggalkan dalam keadaan baik.

All personal belongings and materials must be removed from the studio at the end of each semester. Workspaces must be left clean and in good working order.

7. Isu Pelaporan | Reporting Issues

- a. Sekiranya terdapat isu di studio (kawalan suhu, masalah pencahayaan, kebocoran, kerosakan perabot, dll.), sila hubungi pejabat Pentadbiran FAB. Perintah kerja akan dikemukakan untuk menyelesaikan masalah tersebut.

Should there be issues in studio (temperature control, lighting issues, leaks, broken furniture, etc.), please contact the FBE Administration office. A work-order will be submitted to resolve the issue.

- b. Sekiranya terdapat sebarang masalah, pelajar hendaklah tidak teragak-agak untuk memaklumkan pejabat Pentadbiran FAB bagi memastikan segala-galanya berada dalam keadaan yang baik.

Should there be any problems, students shall not hesitate to let the FBE Administration office know to ensure that everything is in good working order.

c. Talian Kecemasan
Emergency Contacts

UNIMAS Security Hotline
082-581999

Main Security Post
082-583904

UNIMAS CCTV Control Room
082-581004

Kota Samarahan Police
082-662300

Kota Samarahan Fire Department
082-673881

UNIMAS Health Centre
082-581604/ 1611

FBE Administration Office
082-592684/ 2685

“ Creativity is contagious.
Pass it on. ” - Albert Einstein

Persatuan Alam Bina (BE:On)

Built Environment Organization (BE:On)

Pengenalan | Introduction

Built Environment Organization (BE:On) atau Persatuan Pelajar Alam Bina secara rasminya ditubuhkan dan didaftarkan di bawah Fakulti Alam Bina. Fakulti berhasrat menyemai semangat berpersatuan di kalangan pelajar melalui penglibatan mereka secara proaktif bukan sahaja dalam pelajaran dan pembelajaran formal, malah di luar konteks tersebut. Penubuhan satu entiti persatuan pelajar di peringkat Fakulti adalah bagi menunjangi hasrat tersebut.

The Built Environment Organization (BE: On) is officially established and registered under the Faculty of Built Environment. Faculty aims to instill unity among students by proactively engaged not only in formal education and learning, but also outside the context. The establishment of the student association at the Faculty level is to support the said aspiration.

Objektif Persatuan Alam Bina | Objectives of Built Environment Organization

BE:On ditubuhkan berlandaskan objektif seperti berikut:

BE: On is founded on the following objectives:

- a. Menjadi pemudah cara di antara para pelajar dengan pihak pengurusan Fakulti dan Universiti;
Be the facilitator among students with the management of the Faculty and University;
- b. Membentuk kepimpinan, bakat dan keserakanan sesama pelajar;
Forming leadership, talent and consolation among students;
- c. Menjamin kesejahteraan dan kebajikan para pelajar;
Ensuring the well-being and virtues of the students;
- d. Memperkasa kebolehan intelektual di luar konteks pelajaran dan pembelajaran formal di kalangan pelajar;

Empowering intellectual abilities beyond the context of formal education and learning among students;

- e. Menanam pemikiran positif, semangat kerjasama dan kemasyarakatan di kalangan para pelajar.

To cultivate positive thinking, the spirit of cooperation and community amongst students.

Visi Persatuan | Organization Vision

Membentuk generasi pelapis disiplin Alam Bina yang bersatu, cakna, kreatif dan berkepimpinan.

Form a built environment unified, coherent, creative and leadership-skilled generation.

Misi Persatuan | Organization Mission

Menyemarakkan sinergi di kalangan pelajar Alam Bina melalui kegiatan berlandaskan nilai positif dan kreatif.

Strengthen synergies among Built Environment students through activities based on positive and creative values.

Moto Persatuan | Organization Motto

“Beyond Dreamers. Beyond Thinkers.”

Kelab Pelajar | Students' Clubs

BE:On adalah persatuan pelajar Fakulti Alam Bina utama yang juga menaungi beberapa kelab yang mewakili setiap program di Fakulti Alam Bina, iaitu Kelab Pelajar Senibina (Arc:Create) dan Kelab Pelajar Ukur Bahan (UniQS).

BE: On is the main Faculty student association that also hosts several clubs representing each program at the Faculty of Architecture, they are Architecture Student Club (Arc:Create) and the Quantity Surveying Student Club (UniQS).

Keahlian | Membership

Setiap pelajar adalah dengan ini layak menjadi ahli Persatuan sekiranya memenuhi syarat-syarat berikut:

- a. Pelajar Fakulti Alam Bina UNIMAS yang berdaftar;
- b. Ahli mana-mana Kelab di bawah Fakulti Alam Bina;
- c. Membayar yuran masuk dan yuran keahlian bagi Kelab.

Keahlian di peringkat persatuan fakulti adalah secara automatik melalui keahlian berdaftar di peringkat Kelab.

Each student is hereby eligible to become a member of the Association the following conditions are fulfilled:

- a. Registered student of Faculty of Built Environment UNIMAS;*
- b. Members of any Club under the Faculty of Built Environment;*
- c. Paying entry fees and Club membership fees.*

Membership at the faculty organization level is automated through registered membership at Club level.

“

When we're connected to others, we become better people.”

– Randy Pausch

//Program Senibina

Jabatan Senibina*Department of Architecture*
Staf Akademik | *Academic Staff*

Ketua Jabatan Senibina
Head of Department of Architecture
Dr Bambang Karsono
kbambang@unimas.my
Samb/ext: 2643



Penyelaras Program [Sarjana Muda Sains (Kepujian) Senibina]
Programme Coordinator [Bachelor of Science (Hons.) Architecture]
Zayn Al-Abideen Gregory
agzayn@unimas.my
Samb/ext: 2607



Prof Ar Nurakmal Abdullah Goh
anurakmal@unimas.my
Samb/ext: 2683



Prof Ar Dr Julaihi Wahid
wjulaihi@unimas.my
Samb/ext: 4537



Prof Madya Dr Siti Halipah Ibrahim
ihalipah@unimas.my
Samb/ext: 2611



Prof Madya Dr Azhaili Bahrn
bazhaili@unimas.my
Samb/ext: 1655



Ar Awang Hasim Awang Sulong
asahasim@unimas.my
Samb/ext: 4523



Dr Atta Idrawani Zaini
izatta@unimas.my
Samb/ext: 2702



Dona Rose Amer Koesmeri
akdona@unimas.my
Samb/ext: 2631



Yon Syafni Samat
sysyafni@unimas.my
Samb/ext: 2637



Ruzanah Abu Bakar
abruzanah@unimas.my
Samb/ext: 4580

Program Ijazah Sarjana Muda Sains (Kepujian) Senibina

Bachelor of Science (Hons.) Architecture Programme

1. **Objektif Program** | *Programme Objectives*

Sarjana Sains (Kepujian) Seni Bina direka untuk menghasilkan graduan yang berkaliber, bertanggungjawab, jujur, beretika dan kreatif dalam mempromosikan senibina untuk kemanusiaan dan kemajuan ilmu pengetahuan berdasarkan *Programme Educational Objectives (PEO)* seperti berikut:

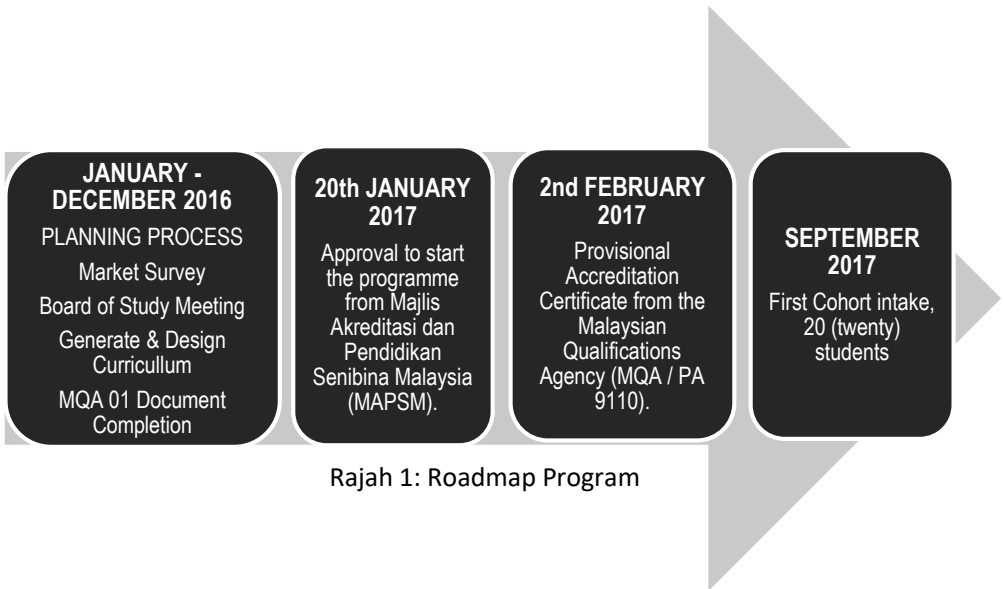
The Bachelor of Science (Hons) Architecture is designed to produce versatile and responsible graduates with honest, ethical and creative mind in promoting architecture for humanity and the advancement of knowledge as reflected in the Programme Educational Objectives (PEO) as follows:

- PEO1** *To produce semi-professional graduates capable of advancing technology and driving innovation in the field of architecture.*
- PEO2** *To enable semi-professional graduates to focus on the process of design, discovering, through experiment, methods of working that develop aesthetic judgment and means of self-evaluation.*
- PEO3** *To cultivate and set forth an ethical attitude in the workplace as the basis for the development and advancement of the Architectural profession among graduates.*
- PEO4** *To produce semi-professional graduates who are versatile, entrepreneurial, responsible and knowledgeable in the building industry for the progress of the nation.*

2. Sejarah | Roadmap

Perancangan penubuhan program ini adalah seawal January 2016 untuk merancang dan menyediakan kurikulum. Program ini dirasmikan pada Tarikh 2 Februari 2017 apabila mendapat Perakuan Akreditasi Sementara dari Agensi Kelayakan Malaysia (MQA/PA 9110). Pendaftaran pelajar kohort pertama adalah seramai dua puluh (20) orang pada semester pertama (1) sesi 2017/2018 bulan September 2017. Sementara kohort kedua (2) bagi sesi 2018/2019 seramai dua puluh tujuh (27) orang pelajar.

The establishment process of the programme was started as early as January 2016 to design and provide the curriculum. The program was officially launched on February 2nd, 2017 when it received a Provisional Accreditation Certificate from the Malaysian Qualifications Agency (MQA / PA 9110). The numbers of first cohort intake 2017/2018 session in September 2017 is twenty (20) students. Meanwhile, the second (2) cohort intake 2018/2019 session is twenty-seven (27) students.



Rajah 1: Roadmap Program

3. Penubuhan Program | *Programme Establishment*

Untuk mewujudkan program Senibina di UNIMAS yang merangkumi sumber, budaya dan kepelbagaian persekitaraan di rantau ini sebagai pelopor pendekatan holistik alam bina. Berhadapan dengan isu global yang melibatkan perubahan iklim, petempatan dan kepupusan spesies, kemiskinan bandar dan transformasi luar bandar, senibina perlu mengambil kira aspek kemampuan yang melibatkan penduduk tempatan, budaya dan penempatan untuk mewujudkan alam bina yang kekal dan maju dengan mengambil kira aspek global dan amalan penduduk Sarawak yang unik.

Hasil pembelajaran direka untuk menangani lapan domain penting yang meliputi pengetahuan, kemahiran praktikal, kemahiran sosial, kemahiran komunikasi, kepimpinan dan kerja berpasukan, pengurusan maklumat, pembelajaran sepanjang hayat, kemahiran pengurusan dan keusahawanan.

To set forth an Architecture programme at UNIMAS that draws upon the special material, cultural and ecological circumstances of our locality to pioneer holistic approaches to the built environment. Faced with global issues of climate change, habitat and species loss, urban poverty and rural transformation, architecture needs to embrace a sustainability that is informed by indigeneity of people, culture and land to create a lasting, flourishing built environment that is global in outlook and uniquely Sarawakian in practice.

The learning outcomes are designed to address the eight important domains which cover knowledge, practical skills, social skills, communication skills, leadership and team work, information management, lifelong learning, managerial and entrepreneurial skills.

Struktur Program | Programme Structure

Senibina | Architecture

No	Kod/Code	Kursus	Courses	Klasifikasi Classification	Jam Kredit Credit Hours
TAHUN 1 YEAR 1					
SEMESTER 1					
1	BEA1016	Studio Rekabentuk Senibina 1	Architecture Design Studio 1	Teras	6
2	BEA1023	Lukisan Senibina	Architectural Drawing	Teras	3
3	BEA1033	Komunikasi Grafik	Graphic Communication	Teras	3
4	BEA1043	Fizik Alam Sekitar	Environmental Physics	Teras	3
5	MPU3412	Kompetensi ICT	ICT Competency	MPU	2
6	PBI 1xx2	Remedial/Generik Bahasa Inggeris	Remedial/ Generic English	R/G	2
SEMESTER 2					
7	BEA1056	Studio Rekabentuk Senibina 2	Architecture Design Studio 2	Teras	6
		# pre-requisite: BEA1016 Studio Rekabentuk Senibina 1 / <i>Architecture Design Studio 1</i>			
8	BEA1063	Lukisan Senibina Bantuan Komputer	Computer Aided Architectural Drafting	Teras	3
9	BEA1073	Sejarah Senibina 1	History of Architecture 1	Teras	3
10	BEA1083	Teknologi Bangunan 1	Building Technology 1	Teras	3
11	MPU3312	Bahasa Melayu	Malay Language	MPU	2
12	PPD1041	Kemahiran Insaniah & Asas Kesukarelawan	Soft skill and Basic Volunteerism	R	1
TAHUN 2 YEAR 2					
SEMESTER 1					
13	BEA2096	Studio Rekabentuk Senibina 3	Architecture Design Studio 3	Teras	6
		# pre-requisite: BEA1056 Studio Rekabentuk Senibina 2 / <i>Architecture Design Studio 2</i>			
14	BEA2103	Sejarah Senibina 2	History of Architecture 2	Teras	3
15	BEA2113	Survei Struktur Senibina	Survey of Architectural Structure	Teras	3
16	BEA2123	Senibina Digital 1	Digital Architecture 1	Teras	3
17	MPU3122	Tamadun Islam dan Tamadun Asia	Islamic and Asian Civilizations	MPU	2
18	Programme Elective 1				
	BEA2243	Senibina dan Bentuk	Architecture and Form	Teras Elektif	3
SEMESTER 2					
19	BEA2136	Studio Rekabentuk Senibina 4	Architecture Design Studio 4	Teras	6
		pre-requisite: BEA2096 Studio Rekabentuk Senibina 3 / <i>Architecture Design Studio 3</i>			
20	BEA2143	Teknologi Bangunan 2	Building Technology 2	Teras	3
21	BEA2153	Perkhidmatan Bangunan 1	Building Services 1	Teras	3
22	MPU3112	Hubungan Etnik di Malaysia	Ethnic Relationship in Malaysia	MPU	2
23	MPU3222	Asas Pembudayaan Keusahawanan	Foundation of Entrepreneurship Enculturation	MPU	2
24	PPD1032	Kokurikulum Berkredit	Credited Co-Curricular	R	2
25	PBI 1xx2	Remedial/Generik Bahasa Inggeris	Remedial/ Generic English	R/G	2

Struktur Program | Programme Structure

Senibina | Architecture

No	Kod/Code	Kursus	Courses	Klasifikasi Classification	Jam Kredit Credit Hours
TAHUN 2 YEAR 2					
SEMESTER 3					
26	BEA2166	Latihan Profesional	Professional Internship	Teras	6
TAHUN 3 YEAR 3					
SEMESTER 1					
27	BEA3177	Studio Rekabentuk Senibina 5	Architecture Design Studio 5	Teras	7
	# pre-requisite: BEA2136 Studio Rekabentuk Senibina 4 / <i>Architecture Design Studio 4</i>				
28	BEA3183	Teknologi Bangunan 3	Building Technology 3	Teras	3
29	BEA3194	Senibina Digital 2	Digital Architecture 2	Teras	4
30	BEA3203	Perkhidmatan Bangunan 2	Building Services 2	Teras	3
31	Programme Elective 2				
	BEA3253	Penempatan Manusia	Human Settlement	Teras Elektif	3
SEMESTER 2					
32	BEA3218	Studio Rekabentuk Senibina 6	Architecture Design Studio 6	Teras	8
	# pre-requisite: BEA3177 Studio Rekabentuk Senibina 5 / <i>Architecture Design Studio 5</i>				
33	BEA3223	Undang-undang dan Amalan Senibina	Architectural Law and Practice	Teras	3
34	BEA3233	Analisis Struktur	Structure Analysis	Teras	3
35	xxU xxx3	Elektif Universiti 1	University Elective 1	EU	3
36	Programme Elective 3* (Choose 1)				
	BEA3263	Senibina dan Ekologi	Architecture and Ecology	Teras Elektif	3
	BEA3273	Masalah Senibina Hijau	Green Architecture Problems	Teras Elektif	3
	BEA3283	Rekabentuk Lanskap	Landscape Design	Teras Elektif	3

Jumlah Keperluan Kredit untuk Pelajar Bergraduat

Klasifikasi Kursus	Bilangan Kredit untuk Bergraduat	Bilangan Kredit untuk Bergraduat
	[Band MUET 3 & ke atas]	[Band MUET 1 & 2]
Teras	103	103
Remedial	3	7
Generik	4	4
Elektif Universiti	3	3
Matapelajaran Umum	10	10
TOTAL	123	127

Jabatan Ukur Bahan

Department of Quantity Surveying
 Staf Akademik | *Academic Staff*



Head of Department of Quantity Surveying

Prof Madya Sr Dr Afzan Ahmad Zaini

azafzan@unimas.my

Samb/ext: 2614



Abdul Wafi Razali

rawafi@unimas.my

Samb/ext: 2602



Sr Gui Hui Chuen

hcgui@unimas.my

Samb/ext:4552



Nadia Zaini

znadia@unimas.my

Samb/ext: 4528



Sr Sitti Diana Tamjehi

tsdiana@unimas.my

Samb/ext: 2695



Dr Shazwan Mohamed Shaari

msshazwan@unimas.my



Dr Siti Syariazulfa Kamaruddin

kssyariazulfa@unimas.my

Program Ijazah Sarjana Muda (Kepujian) Ukur Bahan

Bachelor of Science (Hons.) Architecture Programme

1. **Objektif Program** | *Programme Objectives*

Program ini dibangunkan untuk menghasilkan graduan ukur bahan yang kreatif, berkemampuan, berwibawa dan berkaliber tinggi dengan pengetahuan yang mantap dalam sektor pembinaan mampan, biodiversiti, pemuliharaan alam sekitar, maklumat, komunikasi dan teknologi kreatif serta memenuhi keperluan pasaran tempatan dan antarabangsa dalam bidang Alam Bina berdasarkan Programme Objective (PEO) seperti berikut:

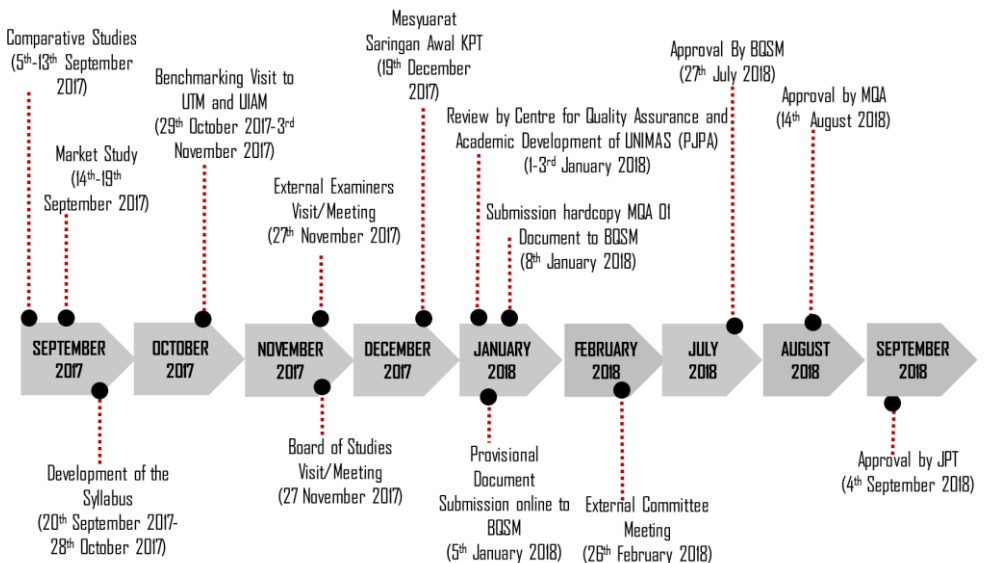
The programme is designed to produce Quantity Surveying graduates who are creative, capable, competent and high calibre with a sound knowledge in sustainable construction, biodiversity, environmental conversation, information, communication and creative technology. It also designed to meet the needs of local and international market of built-environment as reflected in the Programme Educational Objectives (PEO) as follows:

- PEO1** *To produce graduates with an essential in-depth technical competency, knowledge and skills to attain advancement in Quantity Surveying profession.*
- PEO2** *To provide graduates with required ICT skills, life-long learning attitudes, leadership and team-building spirit and understanding of biodiversity, environmental conversation and sustainable community transformation consistent with the concept of sustainable development in construction industry.*
- PEO3** *To produce graduates who are engaged in professional practice in quantity surveying with high ethical and professional responsibilities in solving quantity surveying related problem systematically using appropriate tools and techniques.*
- PEO4** *To produce graduates with a strong interpersonal and communication skills who can work effectively in multidisciplinary environment and multicultural teams in construction industry locally and globally.*

2. Sejarah Program | History of the Programme

Perancangan penubuhan program ukur bahan adalah seawal September 2017 di bawah Fakulti Kejuruteraan dengan pengambilan pensyarah seramai tiga (3) orang untuk merancang, merencana dan menyediakan kurikulum dan program ukur bahan sebelum dipindahkan ke Fakulti Alam Bina pada September 2018. Fakulti Alam Bina dijangka beroperasi sepenuhnya di bangunan baru pada September 2019.

The establishment of quantity surveying program is as early as September 2017 under Faculty of Engineering with a total of three (3) lecturers to plan and prepare a curriculum of the program before being transferred to the Faculty of Built Environment in September 2018. The Faculty of Built Environment is expected to be fully operated in new building in September 2019.



3. Penubuhan Program | Programme Establishment

Program ukur bahan telah berjaya ditubuhkan secara rasmi pada tanggal 4 September 2018 dengan pengambilan pelajar pertama seramai 16 orang pada sesi September 2018/2019. Program ukur bahan telah mendapat perakuan Akreditasi Sementara selama lima (5) tahun bermula dari tarikh kelulusan MQA

iaitu 14 Ogos 2018. Tempoh pengajian bagi program ukur bahan adalah selama empat (4) tahun, lapan (8) semester. Graduan daripada program ini berpeluang berkhidmat di Jabatan Kerja Raya, Perbadanan Kemajuan Ekonomi Negeri, Majlis Tempatan, Perbadanan Pembangunan Bandar (UDA), Lembaga Lebuhraya Malaysia, Jabatan Pengairan dan Saliran dan Institusi Pengajian Tinggi. Sementara di sektor swasta pula, peluang pekerjaan boleh didapati di firma insurans, firma pemaju binaan, firma kontraktor binaan, dan badan-badan korporat.

Selaras dengan pertambahan bilangan projek dan pembangunan infrastruktur di Sarawak disamping prospek yang luas melalui Rancangan Malaysia ke-11 (RMK-11), penglibatan juruukur bahan amat penting untuk menyusun semula pembangunan infrastruktur dengan lebih teratur. Justeru, ia dapat memberi peluang khususnya pembangunan fizikal dan meningkatkan taraf ekonomi masyarakat setempat dengan berteraskan pembangunan Sarawak Corridor of Renewable Energy (SCORE) dan Inisiatif Ekonomi Digital.

Quantity surveying program was formally established on 4th September 2018, with the first intake of 16 students in September 2018/2019 session. This program has been granted a Provisional Accreditation for five (5) years starting from the date of MQA approval on 14 August 2018. The duration of this program is four (4) years, eight (8) semesters. Graduates from this programme can work with the Public Works Department, State Economic Development Corporation, Local Council, Urban Development Corporation (UDA), Malaysia Highway Authority, Department of Irrigation and Drainage and Institutions of Higher Education. In the Private sector, there are job opportunities at quantity surveying consultancy firms, banks and financial institutions, insurance companies, construction development, and corporate organizations.

In line with the increasing number of projects and infrastructure development in Sarawak as well as extensive prospects through Eleventh Malaysia Plan, the involvement of Quantity Surveyors is crucial to plan and strategize the infrastructure development. Hence, it provides opportunities for physical development and enhancement of the economic standards of the local community based on the development of the Sarawak Corridor of Renewable energy (SCORE) and the Digital Economy Initiative.

Struktur Program | Programme Structure

Ukur Bahan | Quantity Surveying

No	Kod/Code	Kursus	Courses	Klasifikasi Classification	Jam Kredit Credit Hours
TAHUN 1 YEAR 1					
SEMESTER 1					
1	BEQ1013	Pengenalan kepada Pengukuran Pembinaan	Intoduction to Construction Measurement	Teras	3
2	BEQ1023	Teknologi Pembinaan Kerja-Kerja Bangunan	Construction Technology for Building Works	Teras	3
3	BEQ1032	Asas Kepada Ekonomi Binaan	Principles of Construction Economics	Teras	2
4	BEQ1042	Teknologi Digital Pembinaan	Digital Technology in Construction	Teras	2
5	PPD1041	Kemahiran Insaniah & Asas Kesukarelawanan	Softskills & Basic Volunteerism	R	1
6	MPU3312	Bahasa Melayu	Malay Language	MPU	2
7	PBI 1xx2	Remedial/Generik Bahasa Inggeris	Remedial/ Generic English	R/G	2
8		Elektif Universiti Pilihan 1	University Elective (Option 1)	EU	3
SEMESTER 2					
9	BEQ1054	Pengukuran Pembinaan Kerja-Kerja Senibina 1	Construction Measurement of Architectural Works	Teras	4
10	BEQ1063	Teknologi Pembinaan Kerja-Kerja Struktur	Construction Technology for Structural Works	Teras	3
11	BEQ1073	Ekonomi Binaan Juruukur Bahan I	Construction Economics for Quantity Surveyors I	Teras	3
12	BEQ1083	Sains Bangunan	Building Science	Teras	3
13	BEQ1092	Pra Pentadbiran Kontrak	Pre-Contract Administration	Teras	2
14	PPD1032	Kokurikulum Berkredit	Credited Co-Curricular	R	2
15	MPU3412	Kompetensi ICT	ICT Competency	MPU	2
TAHUN 2 YEAR 2					
SEMESTER 1					
16	BEQ2104	Pengukuran Pembinaan Kerja-Kerja Struktur I	Construction Measurement of Structural Works I	Teras	4
17	BEQ2113	Teknologi Binaan Kerja-Kerja Kejuruteraan Sivil I	Construction Technology For Civil Engineering Works I	Teras	3
18	BEQ2123	Pengurusan dan Undang-Undang Binaan	Construction Law and Management	Teras	3
19	BEQ2133	Ekonomi Binaan Juruukur Bahan II	Construction Economics for Quantity Surveyors II	Teras	3
20	BEQ2143	Pentadbiran Kontrak I	Contract Administration I	Teras	3
21	BEQ2152	Anggaran Kos Binaan I	Construction Estimating I	Teras	2
22	MPU3112	Hubungan Etnik di Malaysia	Ethnic Relationship in Malaysia	MPU	2

Struktur Program | Programme Structure

Ukur Bahan | Quantity Surveying

No	Kod/Code	Kursus	Courses	Klasifikasi Classification	Jam Kredit Credit Hours
TAHUN 2 YEAR 2					
SEMESTER 2					
23	BEQ2164	Pengukuran Pembinaan Kerja-Kerja Struktur II	Construction Measurement of Structural Works II	Teras	4
24	BEQ2173	Teknologi Binaan Kerja-Kerja Kejuruteraan II	Construction Technology for Civil Engineering Works II	Teras	3
25	BEQ2183	Pentadbiran Kontrak II	Contract Administration II	Teras	3
26	BEQ2193	Pelaburan dan Penilaian Harta	Property Investment and Evaluation	Teras	3
27	BEQ2203	Perkhidmatan Bangunan	Building Services	Teras	3
28	BEQ2212	Anggaran Kos Binaan II	Construction Estimating II	Teras	2
29	MPU3122	Tamadun Islam dan Tamadun Asia	Islamic and Asian Civilization	MPU	2
TAHUN 3 YEAR 3					
SEMESTER 1					
30	BEQ3224	Pengukuran Pembinaan Perkhidmatan Bangunan dan Kerja Luar	Construction Measurement of Building Services and External Works	Teras	4
31	BEQ3233	Pentadbiran Kontrak III	Contract Administration III	Teras	3
32	BEQ3243	Pengurusan Projek Pembinaan	Construction Project Management	Teras	3
33	BEQ3252	Kaedah Penyelidikan dalam Pembinaan	Research Method for Construction	Teras	2
34	PBI1xx2	Remedial/Generic Bahasa Inggeris	Remedial/ Generic English	R/G	2
35	MPU3222	Asas Pembudayaan Keusahawanan	Basic of Entrepreneurial Culture	MPU	2
36		Elektif Universiti Pilihan 2	University Elective (Option 2)	EU	3
SEMESTER 2					
37	BEQ3261	Latihan Industri	Industrial Training	Teras	12
TAHUN 4 YEAR 4					
SEMESTER 1					
38	BEQ4274	Pengukuran Pembinaan Kerja-Kerja Kejuruteraan Sipil	Construction Measurement of Civil Engineering Works	Teras	4
39	BEQ4283	Resolusi Pertikaian dan Undang-Undang Tort	Law of Tort and Dispute Resolution	Teras	3
40	BEQ4293	Maklumat Model Bangunan	Building Information Modeling	Teras	3
41	BEQ4303	Integrasi Multidisiplin Projek Bersepadu dan Simulasi I	Integrated Multidisciplinary Project and Simulation I	Teras	3
42	BEQ4312	Projek Tahun Akhir 1	Final Year Project 1	Teras	2

Struktur Program | Programme Structure

Ukur Bahan | Quantity Surveying

No	Kod/Code	Kursus	Courses	Klasifikasi Classification	Jam Kredit Credit Hours
TAHUN 4 YEAR 4					
SEMESTER 2					
43	BEQ4323	Perniagaan Pembinaan	Construction Business	Teras	3
44	BEQ4333	Projek Tahun Akhir 2	Final Year Project 2	Teras	3
**Pre-Requisite to Final Year Project I					
45	BEQ4343	Integrasi Multidisiplin Projek Bersepadu dan Simulasi II	Integrated Multidisciplinary Project and Simulation II	Teras	3
**Pre-Requisite to Integrated Multidisciplinary Project and Simulation I					
46	BEQ4353	Kemampanan Pembinaan	Construction Sustainability	Teras	3

Jumlah Keperluan Kredit untuk Pelajar Bergraduat

Klasifikasi Kursus	Bilangan Kredit untuk Bergraduat	Bilangan Kredit untuk Bergraduat
	[Band MUET 3 & ke atas]	[Band MUET 1 & 2]
Teras	112	112
Remedial	3	7
Generik	4	4
Elektif Universiti	6	6
Matapelajaran Umum	10	10
TOTAL	135	139

KURSUS-KURSUS PENGUKUHAN(R) | REMEDIAL COURSES (R)

Kod Code	Kursus Courses	Kredit Credit	Catatan Remarks
PBI1112	<i>Preparatory English 1</i>	2	Pelajar yang lulus dengan Band Muet 1-2
PBI1122	<i>Preparatory English 2</i>	2	Pelajar yang lulus PBI1112

KURSUS-KURSUS PEMBANGUNAN GENERIK (G) | GENERIC COURSES (G)

Kod Code	Kursus Courses	Kredit Credit	Catatan Remarks
PBI1102	<i>Academic English 1</i>	2	Pelajar yang lulus Band Muet 3 ATAU pelajar yang lulus PBI1122
PBI1072	<i>English for Professional Communication</i>	2	1. Pelajar yang lulus dengan Band MUET 3 dan ke atas ATAU pelajar yang lulus PBI1122 2. Bagi pelajar dengan Band MUET 4 dan ke atas perlu lulus PBI1082 dan PBI1092 3. Kursus ini tidak ditawarkan kepada pelajar dari program Perubatan.
PBI1092	<i>Academic English 2</i>	2	1. Pelajar yang lulus dengan Band MUET 4 dan ke atas
PBI1082	<i>English for Occupational Purposes</i>	2	1. Pelajar yang lulus dengan Band MUET 4 dan ke atas. 2. Pelajar dari program Perubatan yang lulus dengan Band MUET 3 ke atas

KURSUS-KURSUS MATAPELAJARAN UMUM (MPU)

Kod Code	Kursus Courses	Kredit Credit	Catatan Remarks
MPU3122	<i>Tamadun Islam dan Tamadun Asia</i>	2	Wajib diambil oleh semua pelajar
MPU3112	<i>Hubungan Etnik</i>	2	Wajib diambil oleh semua pelajar
MPU3222	Asas Pembudayaan Keusahawanan	2	Wajib diambil oleh semua pelajar
MPU3312	Bahasa Melayu	2	Wajib diambil oleh semua pelajar
MPU3412	Kompetensi ICT	2	Wajib diambil oleh semua pelajar

PUSAT PEMBANGUNAN PELAJAR | CENTRE FOR STUDENT DEVELOPMENT

Semester 1

No.	Kod Code	Kursus Courses	Jam Kredit Credit hours
1.	PPD1041	Kemahiran Insaniah dan Asas Keusahawanan/Softskills and Basic Volunteerism	1
2.	PPD1032	Kokurikulum Berkredit/Credit Co-curricular	2
3.	PPA1041	Latihan Ketenteraan (Darat) 1/Military Training 1	1
4.	PPA2061	Latihan Ketenteraan (Darat) 3/Military Training 3	1
5.	PPA3081	Latihan Ketenteraan (Darat) 5/Military Training 5	1
6.	PPA3091	Latihan Ketenteraan (Darat) 6/Military Training 6	1
7.	PPB1011	Latihan Ketenteraan (Udara) 1/Airforce Training 1	1
8.	PPB2031	Latihan Ketenteraan (Udara) 3/Airforce Training 3	1
9.	PPB3051	Latihan Ketenteraan (Udara) 5/Airforce Training 5	1
10.	PPJ1041	Latihan Pertahanan Awam 1/Civil Defence Training 1	1
11.	PPJ2061	Latihan Pertahanan Awam 3/Civil Defence Training 3	1
12.	PPJ2071	Latihan Pertahanan Awam 4/Civil Defence Training 4	1
13.	PPJ3081	Latihan Pertahanan Awam 5/Civil Defence Training 5	1
14.	PPP1041	Latihan Kepolisian 1/Police Training 1	1
15.	PPP2061	Latihan Kepolisian 3/Police Training 3	1
16.	PPP3081	Latihan Kepolisian 5/Police Training 5	1

Semester 2

No.	Kod Code	Kursus Courses	Jam Kredit Credit hours
1.	PPD1032	Kokurikulum Berkredit/Credit Co-curricular	2
2.	PPA1051	Latihan Ketenteraan (Darat) 2/Military Training 2	1
3.	PPA2071	Latihan Ketenteraan (Darat) 4/Military Training 4	1
4.	PPA3091	Latihan Ketenteraan (Darat) 6/Military Training 6	1
5.	PPB1021	Latihan Ketenteraan (Udara) 2/Airforce Training 2	1
6.	PPB2041	Latihan Ketenteraan (Udara) 4/Airforce Training 4	1
7.	PPB3061	Latihan Ketenteraan (Udara) 6/Airforce Training 6	1
8.	PPJ1051	Latihan Pertahanan Awam 2/Civil Defence Training 1	1
9.	PPJ2071	Latihan Pertahanan Awam 4/Civil Defence Training 4	1
10.	PPJ3091	Latihan Pertahanan Awam 6/Civil Defence Training 6	1
11.	PPP1051	Latihan Kepolisian 2/Police Training 2	1
12.	PPP2071	Latihan Pertahanan Awam 4/Civil Defence Training 4	1
13.	PPP3091	Latihan Kepolisian 6/Police Training 6	1

KALENDAR AKADEMIK PENGAJIAN IJAZAH SARJANA MUDA SESI 2019/2020
ACADEMIC CALENDAR FOR UNDERGRADUATE STUDIES SESSION 2019/2020

Aktiviti / Activities	SEMESTER 1	
	Tarikh / Date	Catatan / Notes
Pendaftaran Pelajar Baharu (New Student Registration) <u>Online Registration</u>	19 Ogos 2019 – 3 Sept 2019 (16 hari / 16 days)	31 Ogos 2019 (31 August 2019) ● Hari Kemerdekaan (National Day)
Pendaftaran Kolej Kediaman Pelajar Baharu (Residential College Registration)	3 Sept 2019– 4 Sept 2019 (2 hari/2 days)	1 & 2 September 2019 (1 & 2 September 2019) ● Awal Muharram (Maal Hijrah)
Minggu Aluan Pelajar (Student's Orientation Week)	5 Sept 2019– 8 Sept 2019 (4 hari/4 days)	
Pendaftaran Pelajar Semasa (Returning Student's Registration) <u>Online Registration</u>	26 Ogos 2019 – 8 Sept 2019 (2 minggu/2 weeks)	
Pendaftaran Kolej Kediaman Pelajar Semasa (Returning Student's Residential College Registration)	7 Sept 2019 – 8 Sept 2019 (2 hari/2 days)	8 & 9 September 2019 (8 & 9 September 2019) ● Hari Keputeraan Yang Di Pertuan Agong
Perkuliahan (Lectures)	9 Sept 2019 – 1 Nov 2019 (8 minggu/8 weeks)	16 September 2019 (16 September 2019) ● Hari Malaysia (Malaysia Day) 11 Oktober 2019 (11 October 2019) ● Hari Jadi TYT Sarawak (Sarawak Governor's Birthday) 27 & 28 Oktober 2019 (27 & 28 October 2019) ● Hari Deepavali (Semenanjung Malaysia sahaja)
Cuti Pertengahan Semester 1 (Mid-Semester Break)	2 Nov 2019 – 10 Nov 2019 (9 hari/ 9 days)	9 November 2019 (9 November 2019) ● Maulidur Rasul
Perkuliahan (Lectures)	11 Nov 2019 – 20 Dis 2019 (6 minggu/ 6 weeks)	
Minggu Ulangkaji (Revision Week)	21 Dis 2019 – 29 Dis 2019 (9 hari/ 9 days)	25 Disember 2019 (25 December 2019) ● Hari Krismas (Christmas)
Minggu Peperiksaan (Examination Week)	30 Dis 2019 – 10 Jan 2020 (2 minggu/2 weeks)	1 Januari 2020 (1 January 2020) ● Tahun Baharu 2020 (New Year)
Cuti Semester 1 (Semester Break)	13 Jan 2020 – 26 Jan 2020 (2 minggu/2 weeks)	

Aktiviti / Activities	SEMESTER 2	
	Tarikh / Date	Catatan / Notes
Pendaftaran Pelajar Semasa (Returning Student's Registration / Online Semester Registration)	20 Jan 2020 – 26 Jan 2020 (1 minggu/1 week)	25 & 26 Jan 2020 (25 & 26 Jan 2020) • Tahun Baru Cina (Chinese New Year)
Pendaftaran Kolej Kediaman Pelajar Semasa (Returning Student's Residential College Registration)	25 Jan 2020 – 26 Jan 2020 (2 hari/ 2 days)	
Perkuliahan (Lectures)	28 Jan 2020 – 20 Mac 2020 (8 minggu/ 8 weeks)	
Cuti Pertengahan Semester 2 (Mid-Semester Break)	21 Mac 2020 – 29 Mac 2020 (9 hari/ 9 days)	
Perkuliahan (Lectures)	30 Mac 2020 – 8 Mei 2020 (6 minggu/ 6 weeks)	19 April 2020 (19 April 2020) • Good Friday 1 Mei 2020 (1 May 2020) • Cuti Hari Pekerja (Labour Day)
Minggu Peperiksaan (Examination Week)	11 Mei 2020 – 29 Mei 2020 (3 minggu/ 3 weeks)	19 & 20 Mei 2020 (19 & 20 May 2020) • Hari Wesak (Wesak Day) 25 & 26 Mei 2020 (25 & 26 Mei 2020) • Hari Raya Aidilfitri
Cuti Panjang (Long Break)	1 Jun 2020 – 30 Ogos 2020 (13 minggu/ 13 weeks)	1 & 2 Jun 2020 (1 & 2 June 2020) • Hari Gawai (Gawai Day) 22 Julai 2020 (22 July 2020) • Hari Sarawak (Sarawak Day) 31 Julai 2020 (31 July 2020) • Hari Raya Aidiladha 20 Ogos 2020 (20 August 2020) • Awal Muharram 31 Ogos 2020 (31 August 2020) • Hari Kemerdekaan (National Day)

Aktiviti / Activities	ANTARSESI	
	Tarikh / Date	Catatan / Notes
Pendaftaran Pelajar Semasa (Returning Student 's Registration) <u>Online Semester Registration</u>	22 Jun 2020 – 28 Jun 2020 (1 minggu/ 1 week)	
Perkuliahan (Lectures)	22 Jun 2020 – 14 Ogos 2020 (8 minggu/ 8 weeks)	

**Nota: Tertakluk kepada pindaan