

ACADEMIC PROFORMA 2024/2025

BACHELOR IN FOOD SERVICE INDUSTRY WITH HONOURS



Universiti Tun Hussein Onn Malaysia

Is Ranked 1001-1200



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Universiti Tun Hussein Onn Malaysia
July 2024

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Foreword by the Vice Chancellor



Assalamualaikum Warahmatullahi Wabarakatuh and Salam Sejahtera.

I extend heartfelt congratulations and a warm welcome to each of you as you embark on your academic journey with us. Your decision to join UTHM marks a significant milestone, and I am deeply **honoured** by your trust and commitment.

As an academic institution, we not only recognize the importance of the intertwined dimensions of economic, social, and sustainability (ESG) factors in the post-pandemic era but also embrace our responsibility to actively contribute to their advancement. Our commitment is unwavering as we strive to strengthen our core business pillar by focusing on various crucial aspects.

Firstly, we are dedicated to enhancing our academic delivery to ensure our students receive the highest quality education in today's rapidly evolving world. This commitment involves continually refining our curriculum, integrating innovative teaching methods, and cultivating critical thinking skills. We aim to equip students with the knowledge and capabilities needed to effectively address complex societal challenges. Secondly, we place significant emphasis on research efforts that contribute to sustainability objectives. By fostering a culture of interdisciplinary collaboration, we strive to generate pioneering research and innovative solutions that tackle pressing economic, social, and environmental issues. Our goal is to make meaningful contributions to the sustainable development of both local and global communities.

In addition to our core priorities, we actively enhance our impact by engaging with diverse stakeholders. Through partnerships, community outreach programs, and knowledge exchange initiatives, we aim to extend our positive influence beyond our institution. By leveraging our expertise and resources, we seek to address societal needs, promote inclusive growth, and enhance well-being. Furthermore, our efforts are guided by a commitment to good governance. We uphold the highest standards of transparency, accountability, and ethical practices. By fostering responsible decision-making and cultivating a culture of integrity, we aim to create an environment that builds trust, encourages collaboration, and ensures the long-term sustainability of our institution.

In summary, our dedication centres on achieving dynamically synergistic sustainability. We reinforce our core business pillar through enhanced academic delivery, impactful research endeavours, and enriched services. Upheld by our unwavering commitment to good governance, we believe these principles empower us to actively contribute to shaping a more sustainable and resilient future for all.

Lastly, but certainly not least, I extend a heartfelt welcome to all new students. I invite you to become valued members of our community. As you embark on this transformative journey, rest assured that my commitment is to ensure your experiences are enriching and enjoyable. Additionally, I sincerely wish you success in all your endeavours as you navigate this educational path.

"With Wisdom, We Explore"

Best wishes.

YANG BERTHORMAT PROFESSOR DATO' Ir. Ts. Dr. RUZAIRI BIN ABDUL RAHIM

Vice-Chancellor

Universiti Tun Hussein Onn Malaysia

Foreword by the Deputy Vice Chancellor (Academic and International)



Assalamualaikum Warahmatullahi Wabarakatuh and Salam Sejahtera.

We extend our heartfelt congratulations and a cordial welcome to all the fresh faces embarking on their academic journey at Universiti Tun Hussein Onn Malaysia (UTHM) in the upcoming academic term of 2024/2025. Here at UTHM, we take pride in our distinct qualities and educational opportunities that distinguish us from the rest. Our pledge to provide an exceptional learning experience remains unwavering, as we are dedicated to helping you achieve academic success

and surpass your own expectations.

I want to extend my sincere appreciation and congratulations to the Centre for Academic Development and Excellence (CAD) and the faculties for successfully creating this academic proforma. This resource is incredibly valuable as it provides a concise overview of the different programs offered. Serving as a helpful tool, it not only guides students but also assists them in effectively planning their academic journey. By providing essential information and perspectives, it enables students to make informed choices and navigate their educational endeavors with confidence.

The Ministry of Higher Education Malaysia (MOHE) has set in motion new initiatives to enhance academic facilities and digital resources to meet the country's educational requirements. This effort includes a focus on digitalization to establish a more conducive, secure, and efficient learning environment, while also promoting innovation, adaptability, and global competitiveness.

In order to keep students engaged and boost enrolment numbers, we are implementing several effective measures. These measures include introducing hybrid programs and shortening the study period. As a university affiliated with the Ministry of Higher Education (MOHE), we request your support and understanding as we endeavor to execute these beneficial initiatives. Moreover, we are committed to promoting Technical and Vocational Education Training (TVET) programs as part of our long-term objective to become a leading Global Technopreneur University (GTU) by 2030.

It is crucial, from our perspective, to enhance, strengthen, and sustain our programs and workforce. We are proud to mention that all 110 of our programs are accredited by the Malaysian Qualification Agency (MQA) and their relevant professional organizations. This accreditation is maintained through the commitment of our knowledgeable staff, both in academic and support roles, who consistently engage in skill-building and training programs.

I truly believe that the programs implemented by UTHM will offer invaluable opportunities for you to develop and improve your skills. With the introduction of this new system, I anticipate great academic accomplishments and successes for all of you. This is a pivotal moment for you to create a positive impact not only in our country but also in the broader international community.

Best wishes,

PROFESSOR DR. SHAHRUDDIN BIN MAHZAN @ MOHD ZIN

Deputy Vice Chancellor (Academic and International)
Universiti Tun Hussein Onn Malaysia

Foreword from the Dean (Faculty of Technical & Vocational Education)



Assalamualaikum Warahmatullahi Wabarakatuh dan greetings

First of all, I would like to congratulate all new students at the Faculty of Technical and Vocational Education (FPTV) UTHM for the 2024/2025 academic session. All of you are very fortunate to have been selected into this University compared to many others who have applied, and still hoping to get the opportunity to pursue their studies. Therefore, you should be thankful and remember that being accepted into this university is a great privilege that should not be wasted.

In order to accomplish the University's and FPTV missions which are to produce and train competitive professionals and future teachers of high ethical values, you will be guided by qualified, committed, and responsible academic staff. FPTV offers academic programmes based on four major areas in the field of civil, electrical and mechanical engineering as well as food services, catering and multimedia creative programmes. Various educational knowledge skills that will be practiced in technical and vocational education institutions, nationally and internationally. Soft skills and generic skills will be part of the training to ensure that students are fully responsible to their learning and instill with the high ethical and good values.

To enhance students' understanding and creativity, the faculty provides laboratories equipped with the latest equipment and assisted by well-trained technicians. Students will also have to undergo practical work in the field relevant to the current technical and vocational education needs.

Therefore, you must take this opportunity to work extremely hard in order to achieve the aspirations of not only your parents but also the community and the country. Systematic planning of teaching and learning will produce outstanding and dedicated graduates.

Thank you.

TS. DR. MOHD HASRIL BIN AMIRUDDIN
Dean
Faculty of Technical & Vocational Education
Universiti Tun Hussein Onn Malaysia



Vision

To be a global technical university in sustainable technology and transportation

Mission

Provide technical solution for industry and community based on tauhidic paradigm

Education Philosophy of University

UTHM education and training, founded on the tauhidic paradigm, strive to produce competent, professional and entrepreneurial graduates, driven by advanced technologies for global development.

Logo of University

The logo of UTHM displays a proton, a book, a tiered mortar board (levels of learning), a book-rest and a shield.

Symbolism:

- | | |
|----------------|---|
| • Red | Bravery |
| • Blue | Collaboration |
| • Silver | Quality/ Prestige |
| • Book-rest | Knowledge |
| • Proton | Science and Technology |
| • Book | Knowledge |
| • Mortar board | Levels of study |
| • Circle | Resilient and related to global characteristics |
| • Shield | Confidence |

The whole concept of the logo represents UTHM as a learning institution that supports knowledge expansion and development at all levels of study in science and technology.

Blue represents the close relationship among UTHM community in ensuring successful and resilient implementations of the University programmes as well as its education and research activities that are carried out for the benefit of mankind.

Red symbolises the adventurous nature of UTHM in exploring new fields to establish itself as a leader in the applications of science and technology. Thus, this reflects the spirit and self-esteem of the UTHM community.

Chancellor



**HIS ROYAL HIGHNESS
TUNKU ISMAIL IBNI SULTAN IBRAHIM**

Tunku Mahkota Johor
Pro-Chancellor



Yang Amat Mulia Tunku Idris Iskandar Al-Haj Ibni Sultan Ibrahim

Tunku Temenggong Johor



Yang Berhormat Tan Sri Dato' Dr. Haji Azmi Bin Rohani
Setiausaha Kerajaan Johor

Board of Directors of University

Chairman

YBhg. Dato' Sri Ibrahim bin Ahmad

Members

YB. Prof. Ir. Ts. Dr. Ruzairi Bin Abdul Rahim

Vice-Chancellor, Universiti Tun Hussein Onn Malaysia

Mrs. Mahfuzah binti Baharin

Deputy Under-Secretary,

(Sector of Tax Incentive & Sectoral) TSBC (GCS) Tax Division

Ministry of Finance Malaysia

YB. Dato' (Dr.) Haji Nooh bin Gadot

Advisor, Johor Islamic Religious Council

YBhg. Datuk Md Jais bin Haji Sarday

Board Member, Universiti Tun Hussein Onn Malaysia

YBhg. Dato' Dr. Mohd Sharil bin Abdullah

Director of Industrial Relations Division, Department of Higher Education

YBrs. Mr. Shahril Anwar bin Mohd Yunos

Managing Partner, Virtus Capital Partners Sdn Bhd

YBhg. Datuk Haji Mohd Lassim bin Burhan

Board Member, Universiti Tun Hussein Onn Malaysia

YBrs. Ir. Ts. Abdul Rahman bin Bahasa

Chief Executive Officer, Recove Group

YBrs. Encik Hasry bin Harun

Chief Executive Officer, Malaysia Rail Development Corporation

YBhg. Prof. Ir. Dr. Mohd. Amri bin Lajis

Professor, Universiti Tun Hussein Onn Malaysia

YBrs. Mohamad Irza bin Dahari @ Zahari

Administration and Diplomatic Officer, Department Of Higher Education

Secretary

YBrs. Mr. Naim bin Maslan

Registrar/Chief Operating Officer (COO), Universiti Tun Hussein Onn Malaysia

Members of Senate

Chairman

YB. Prof. Dato' Ir. Ts. Dr. Ruzairi Bin Abdul Rahim
Vice Chancellor

Members

Prof. Dr. Shahrudin bin Mahzan @ Mohd Zin
Deputy Vice Chancellor (Academic and International)

Prof. Ts. Dr. Rabiah Binti Ahmad
Deputy Vice Chancellor (Research and Innovation)

Prof. Ts. Dr. Abdul Rasid bin Abdul Razzaq
Deputy Vice Chancellor (Student Affairs and Alumni)

Assoc. Prof. Dr. Afandi bin Ahmad
Provost UTHM, Pagoh Branch Campus

Prof. Ir. Dr. Md Saidin Bin Wahab
Assistant Vice Chancellor / Chief Digital Officer (CDO) (Digital and Infrastructure)

Prof. Dr. Mas Fawzi bin Mohd Ali
Assistant Vice Chancellor (Strategic and Quality)

Assoc. Prof. Dr. Mohamad Zaky bin Noh
Dean, Centre for Graduate Studies

Prof. Ir. Ts. Dr. Mohd Haziman bin Wan Ibrahim
Dean, Faculty of Civil Engineering and Built Environment

Assoc. Prof. Ts. Dr. Asmarashid Bin Ponniran
Dean, Faculty of Electrical and Electronic Engineering

Prof. Ts. Dr. Amir Bin Khalid
Dean, Faculty of Mechanical and Manufacturing Engineering

Assoc. Prof. Dr. Shafie Bin Mohamed Zabri
Dean, Faculty of Technology Management and Business

Ts. Dr. Mohd Hasril Bin Amiruddin
Dean, Faculty of Technical and Vocational Education

Prof. Ts. Dr. Mohd Farhan bin Md. Fudzee
Dean, Faculty of Computer Science and Information Technology

Assoc. Prof. Ts. ChM. Dr. Hatijah binti Basri
Dean, Faculty of Applied Science and Technology

Assoc. Prof. Ts. Dr. Jumadi bin Abdul Sukor
Dean, Faculty of Engineering Technology

Dr. Muhammad Faizal bin Ismail
Dean, Centre for Diploma Studies

Dr. Lutfan bin Jaes
Dean, Centre for General Studies and Co-curricular

Assoc. Prof. Dr. Hj. Azmi Bin Abdul Latiff
Dean, Centre for Language Studies

Assoc. Prof. Dr. Rosli Bin Omar
Director, Centre for Academic Development and Excellence

Prof. Emeritus Dr. Jailani bin Md Yunos
Director, Malaysia Research Institute for Vocational Education and Training

Dr. Zahrul Akmal bin Damin
Institute for Social Transformation and Regional Development
(TRANSFORM)

Prof. Ts. Dr. Mohd Khairul bin Ahmad
Insitute for Integrated Engineering(I²E)

Prof. Ir. Dr. Noridah Binti Mohamad
Faculty of Civil Engineering and Built Environment

Prof. Ts. Dr. Aeslina Binti Abdul Kadir
Faculty of Civil Engineering and Built Environment

Prof. Ts. Dr. Norzila binti Othman
Faculty of Civil Engineering and Built Environment

Prof. Ir. Dr. Erwan bin Sulaiman
Faculty of Electrical and Electronic Engineering

Prof. Dr. Nafarizal bin Nayan
Faculty of Electrical and Electronic Engineering

Prof. Dr. Zawati Binti Harun
Faculty of Mechanical and Manufacturing Engineering

Prof. Dr. Hasan Zuhudi bin Abdullah
Faculty of Mechanical and Manufacturing Engineering

Prof. Sr. Dr. Wan Zahari Wan Yusof
Faculty of Technology Management and Business

Prof. Ts. Dr. Alina binti Shamsuddin
Faculty of Technology Management and Business

Prof. Ts. Dr. Soew Ta Wee
Faculty of Technology Management and Business

Prof. Ts. Dr. Ishak bin Baba

Faculty of Technical and Vocational Education

Prof. Ts. Dr. Rosziati binti Ibrahim

Faculty of Computer Science and Information Technology

Prof. Dr. Rozaida binti Ghazali

Faculty of Computer Science and Information Technology

Prof. Ts. Dr. Zaidi bin Embong

Faculty of Applied Sciences and Technology

Prof. Ir. Dr. Mohd Amri bin Lajis

Faculty of Engineering Technology

Prof. Ir. Dr. Chan Chee Ming

Faculty of Engineering Technology

Ts. Dr. Khalid bin Isa

Director, Student Development Centre

Prof. Dr. Nazri bin Mohd Naw

Director Centre Information Technology

Prof. Eur Ing. Ir. Ts. Dr. Shahiron bin Sahidan

Faculty of Civil Engineering and Built Environment

Mr. Naim bin Maslan

Registrar / Chief Operating Officer (COO) / Secretary of Senate

Mr. Norzaimi bin Hamisan

Bursar / Chief Financial Officer (CFO)

Mdm. Zaharah binti Abd Samad

Chief Librarian

Mdm. Norliah Binti Yaakub

Legal Advisor



Faculty Vision

To be a global technical university in sustainable technology and transportation

Faculty Mission

Provide technical solution for industry and community based on tauhidic paradigm

Faculty Background

The Faculty of Technical and Vocational Education (FPTV) of the Universiti Tun Hussein Onn Malaysia (UTHM), was formally known as the Faculty of Technical Education (FTE). Our inception began in September 27th, 2000, as the Department of Technical and Vocational Education (DTVE) under the auspices of the Faculty of Engineering Technology, Kolej Universiti Teknologi Tun Hussein Onn (KUiTTHO).

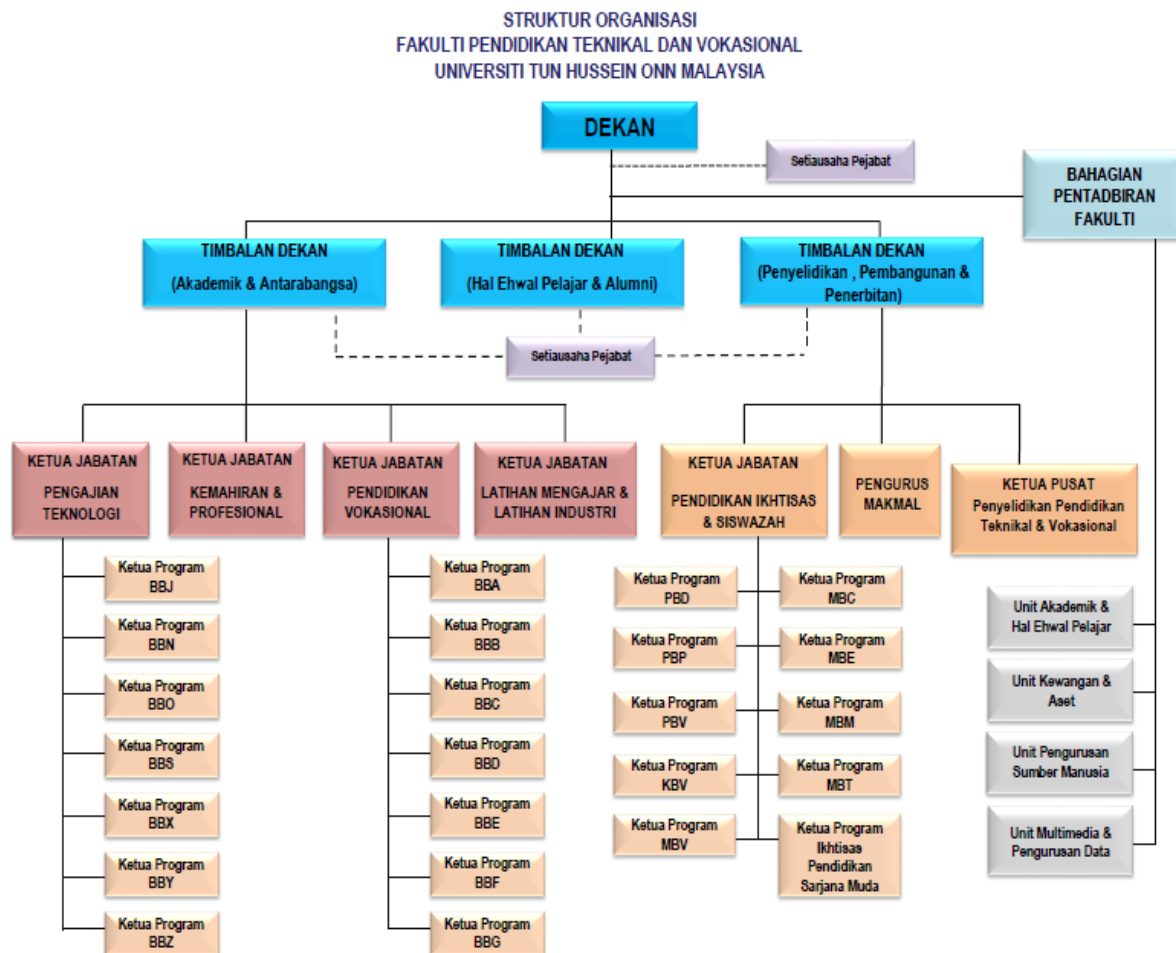
Our renowned excellences in Teachers Training in Technical and Vocational Education and Training (TT-TVET) niche areas is traceable back to the year 1993 when we started as one of the core departments of the Polytechnics Staff Training Centre (PSTC) that produced qualified polytechnics lecturers and instructors. PSTC was upgraded and renamed as Kolej Universiti Teknologi Tun Hussein Onn (KUiTTHO) on May 1998. On May 27th, 2000, the department was restructured and renamed as the Department of Technical and Vocational Education (DTVE) under the auspices of the Faculty of Engineering Technology, KUiTTHO. On May 1st, 2004, the department was upgraded as the Faculty of Technical Education with the dissolution of Department of Engineering Technology. The rebranding of the faculty to the present new name, is endorsed by the Ministry of Higher Education on June 23rd, 2011, to reflect our continuous and significant contributions to the rapid changes and transformation of the Technical and Vocational Education (TVET) Systems, both locally and abroad.

Today, FPTV has developed to become the major provider and referral centre of high quality TT-TVET programmes, researches and consultancies. Since 2002, UNESCO-UNEVOC Bonn entrusted the faculty to carry the role as UNESCO-UNEVOC Associate Centre and ultimately in 2005, the faculty has become UNESCO-UNEVOC centre in Malaysia. FPTV does not stand alone in making reputation to its credentials. Collaborations and networking with regional and international organizations such as Southeast Asian Ministers of Education Organization Regional Centre for Vocational and Technical Education and Training

(SEAMEO VECTECH), Korea Research Institute for Vocational Education and Training (KRIVET), Colombo Plan Staff College for Technician Education Philippines (CPSC), The National Centre for Career and Technical Education USA (NCCTE), European Centre for the Development of Vocational Training (CEDEFOP) and others have been made as initiatives to upgrade the quality and credibility of technical and vocational education for the benefit of all.

FPTV is the professional faculty with niche in TT-TVET and technologist. The faculty offers a range of quality academically balanced and practical-oriented programmes to meet the changing needs of the teaching and training sectors of the economy. Our programmes of study are dynamics that leads the rapidly transformation of TVET both regional and worldwide. Our qualified and experienced academics and supporting staffs are dedicated to providing a high standard and *state-of-the-art* theoretical and practical knowledge in a stimulating and innovative learning atmosphere.

The faculty, consisted of four (5) departments and a research center that is led by a Dean and assisted by three (3) Deputy Deans. Organisation chart of FPTV is depicted the diagram overleaf.





UNESCO-UNEVOC International Centre
for Technical and Vocational Education and Training
Bonn, Germany

presents this

UNEVOC CENTRE AWARD

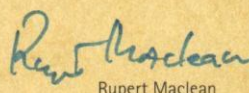
to

Universiti Tun Hussein Onn Malaysia

in recognition of being a UNEVOC Centre
dedicated to furthering UNESCO goals
in the area of technical and vocational education and training

Presented this 25th day of November 2007


L. Efison Munjanganya
Head
UNEVOC Networks, Bonn


Rupert Maclean
Director
UNESCO-UNEVOC International Centre, Bonn

Visiting Professor at Faculty of Technical & Vocation Education

Profesor Dr. Dr. h.c. Thomas Schroder

Profesor Rupert Maclean

External Examiner at Faculty of Technical & Vocational Education

Profesor Dr. Ruhizan Bin Mohd Salleh

Industrial Advisor at Faculty of Technical & Vocational Education

Ts. Amiruddin Zahamail

Training Program Director (ASEAN) Siemens Sdn. Bhd.

Puan Hasfaslinda Md Hassan

Group Chief Marketing Officer

Awi Shahadan

Pengurus Besar, Binaan Desjaya Sdn Bhd

Azman Abdullah

Deputy General Manager Dunham-Bush Industries Sdn Bhd

Nik Azmi Mat Tahir

Senior Welding Engineer EEW Malaysia Sdn Bhd

Yap Han Lin

General Manager TSH Contract Manufacturing Sdn Bhd

Mrs. Hasfahlinda Binti Md Hassan

Senior Welding Engineer EEW Malaysia Sdn Bhd

Ir. Mohamad Naim Bin Mohamad

Electrical Consultant J. Roger Preston (M) Sdn Bhd

Zamir Rasid

Managing Director Innoveam Sdn. bhd

Nabil Baharum

Manager Durioo Sdn. Bhd.

Ts. Dr. Azman Bin Hussin

Manager Dr Pakar Sdn. Bhd.

Faculty Staff Directory

Administrative

Dean

Prof. Ts Dr. Abdul Rasid Bin Abdul Razzaq

Ph.D (Town & Regional Planning) (UTM), Master of Tourism Planning (UTM), Bachelor of Business Management (UUM), Dip. (Maktab Perguruan Teknik, KL)

Deputy Dean (Academic & International)

Ts Dr. Mohd Hasril Bin Amiruddin

Ph.D (Technical & Vocational Education) (UKM), Master (Technology Education) (UPM), Bachelor (Technical & Vocational Education) (UTHM), Diploma (PSA)

Deputy Dean (Research, Development & Publication)

Associate Prof. Alias Bin Masek

Ph.D (Technical & Vocational Education) (UTHM), Master (Technical & Vocational Education) (UTHM), Bachelor (Electrical Engineering) (KUiTTHO)

Deputy Dean Student Affairs & Alumni)

Ts. Dr Zurina Binti Yasak

Ph.D (Technical & Vocational Education) (UTHM), Master (Technology Education) (UTM), Bachelor (Computer Science) (UTM)

Senior Office Secretary

Mrs. Nor Azean Binti Misran

Diploma (UTM)

Senior Office Secretary

Mrs. Nor Faiza Binti Baidawi

Diploma (UTM)

Deputy Registrar

Mr. Eaddy Bin Zainal Abidin

Sarjana Muda Sains Perhutanan (UPM)

Senior Assistant Administrative Officer

Mrs. Suzana Binti Ojudah

Bachelor (OUM), Diploma (UiTM)

Senior Assistant Administrative (Academic Post-Graduates)

Mrs. Ruzehan Binti Md. Shah

Cert. (Kolej Komuniti Yayasan Pelajaran Johor), STPM (SM Tun Sardon), SPM (SM Tun Sardon)

Senior Assistant Administrative (Academic Under-Graduates)

Mrs. Nor Afizah Binti Omar

STPM (SM (P) Temenggong Ibrahim), SPM (SM (P) Temenggong Ibrahim)

Senior Assistant Administrative (Financial)

Mrs. Hernany binti Abd Kadir

Certificate/Sijil Komunikasi (Institut Perdagangan Mara)

Assiatant Administrative

Mr. Mohd Nazri bin Md Sapi @ Safri

SPM (Sek. Men. Keb. Munshi Sulaiman)

Assistant Administrative Officer

Mr. Al-Azim Bin Ibrahim ishak

Bachelor (UTM)

General Office Asst.
Mr. Haszizan Bin Hasbullah
SPM (Smk Pt Haji Hassan)

Professional Education Department

Academic Staff

Head of Professional Education Department

Associate Prof. Dr. Wan Hanim Nadrah Binti Wan Muda

Ph.D (Technical & Vocational Education) (UTM), Master (Technical & Vocational Education) (UTHM), Bachelor (Computer Mathematic) (UMT)

Associate Prof. Ts. Dr. Mimi Mohaffyza Binti Mohamad

Ph.D (Technical & Vocational Education) (UTM), Master (Technical & Vocational Education) (UTM), Bachelor (Technical & Education) (UTM)

Ts. Dr. Marina Binti Ibrahim Mukhtar

Ph.D (Evaluation and Assessment) (UKM), Master (Technical & Vocational Education) (KUiTTHO), Bachelor (Civil Eng.) (KUiTTHO)

Prof. Ts. Dr. Abdul Rasid Bin Abdul Razzaq

Ph.D (Town & Regional Planning) (UTM), Master of Tourism Planning (UTM), Bachelor of Business Management (UUM), Dip. (Maktab Perguruan Teknik, KL)

Associate Prof. Ts. Dr. Mohamad Hisyam Bin Mohd Hashim

Ph.D (Technology Education) (UPSI), Master (UTM), Bachelor (Elect. Eng.) (UTM), Cert.(POLIMAS)

Associate Prof. Ts. Dr. Badaruddin Bin Ibrahim

Ph.D (Colorado State Uni.), Master (Technical Education) (UTM), Bachelor (Mechanical Engineering) (ITTHO)

Associate Prof. Ts. Dr. Lee Ming Foong

Ph.D (Technical & Vocational Education) (UTM), Master (Technical & Vocational Education) (UTM), Bachelor (Technology Education) (UTM)

Associate Prof. Ts. Dr. Halizah Binti Awang

Ph.D (Curriculum) (USM), Master (Education) (ITTHO), Bachelor (Civil Engineering) (UTM), Cert.(PPD)

Associate Prof. Dr. Kahiroil Bin Mohd. Salleh

PhD (Education & Human Resource) (Colorado State University), Master (Technical Education) (UTM), Bachelor (Mechanical Engineering) (UTM), Cert.(POLIMAS)

Associate Prof. Ts. Dr. D'oria Islamiah Binti Rosli

Ph.D (Computer Science) (UTM), Master (Computer Science) (Univ. of Western Australia), Bachelor (Science) (UMS)

Dr. Nur Sofurah Binti Mohd Faiz

Ph.D (Education) (Univ.Of South Australian), Master (Technical & Vocational Education) (KUiTTHO), Bachelor (Material Engineering) (USM)

Associate Prof. Ts. Dr. Fadzlinda Binti Ab. Halim

Ph.D (Technical & Vocational Education) (UPM), (Technical & Vocational Education) Master (UTHM), Bachelor (Information Technology & Communication) (UiTM), Diploma (UiTM)

Dr. Hashima Binti Hamid

Ph.D (Technology Management) (UTHM), Master (Technical & Vocational Education) (UTHM), Bachelor (Information Technology) (UM)

Associate Prof. Ts. Dr. Tee Tzee Kiong

Ph.D (Technical & Vocational Education) (UTHM), Master (Technical & Vocational Education) (UTM), Bachelor (Civil Engineering Education) (UTM)

Dr. Nurul Hidayah Liew Binti Abdullah

Ph.D (Technology Management) (UTHM), Master (Environmental Management) (UKM), Bachelor (Arts) (UKM)

Associate Prof. Ts. Dr. Yusmarwati Binti Yusof

Ph.D (Education) (Uni. of East London), Master (Education) (ITTHO), Bachelor (Civil Engineering) (ITTHO), Cert (Civil Engineering) (POLISAS)

Associate Prof. Ts. Dr. Yee Mei Heong

Ph.D (Technical & Vocational Education) (UTHM), Master (Technical & Vocational Education) (UTM), Bachelor (Technology with Education) (UTM)

Ts. Dr. Marlina Binti Mohamad

Ph.D (Business-Instructional Design) (Melbourne Royal Institute of Technology University), Master (Information Technology) (UTM), Bachelor (Computer) (UTM), Diploma (UTM)

Dr. Mohd Zufadli Bin Rozali

Ph.D (Education) (UTHM), Master (Technical & Vocational Education) (UKM), Bachelor (Technology Management) (UTHM).

Dr. Nurhanim Saadah Binti Abdullah

Ph.D (Education Technology & Multimedia) (USM), Master (Technical Education) (UTHM), Bachelor (Electric & Electronic Engineering) (UMP)

Dr. Norkhairilizah Binti Hamzah

Ph.D (Informatic) (University of Sussex), Master (Psychology) (UIAM), Bachelor (Psychology) (UIAM)

Dr. Ng Chuan Huat

Ph.D (Mechanical) (Otto Von Guericke University), Master (Mechanical) (UTM), Bachelor (Manufacturing) (UTHM)

Dr. Caleb Chidozie Chinedu

Ph.D (Education) (UTHM), Master (Technical Education) (UTM), Bachelor (Industrial and Technology) (University of Technology Minna)

Dr. Gede Pramudya Ananta

Ph.D (Education Computer) (Wollongong University), Master (Computer Science) (Macquire University), Bachelor (Education Mathematic) (UUI)

Asst. Engineer

Mr. Daud Bin Ahmad

Cert.of Elect. Communication (Politeknik Ungku Omar, Ipoh).

Mrs. Noor Hayati Binti Mustafa

Cert.of Elect. Communication (Politeknik Sultan Haji Ahmad Shah, Kuantan).

Mr. Omar Bin Motaji

Cert.of Elect. Communication (Politeknik Ungku Omar, Ipoh).

Mr. Mansor Bin Mordi

Cert.of Elect. Communication (Politeknik Sultan Haji Ahmad Shah, Kuantan).

Mr. Yushadi Bin Muslim

Cert.of Elect. Communication (Politeknik Sultan Haji Ahmad Shah, Kuantan).

Mrs. Zanariah Binti Ahmad

Cert.of Elect. Communication (Politeknik Sultan Ahmad Shah).

Mr. Khairul nizam Bin Mohd Nazri

Cert.of Mechanical Engineering (Politeknik Kota Melaka).

Vocational Education Department

Academic staff

Head of Vocational Education Department

Dr. Azita Binti Ali

Ph.D (Technical & Vocational Education) (UTM), Master (Technical & Vocational Education) (UTHM), Bachelor (Komunikasi Data dan Perangkaian Maklumat) (UiTM), Diploma (UiTM)

Associate Prof.Ts. Dr. Faizal Amin Nur Bin Yunus

Ph.D (Technical & Vocational Education) (UKM), Master (Technical Education) (UTHM), Bachelor (Mechanical Engineering) (UTHM)

Associate Prof. Ts. Dr. Lai Chee Sern

Ph.D (Engineering Education) (Universitat Bremen, Germany), Master (Technical Education) (KUiTTTHO), Bachelor (Mechanical Engineering) (KUiTTTHO)

Associate Prof. Dr. Nor Lisa Binti Sulaiman

PhD (Education & Human Resource) (Colorado State University), Master (Education) (UTM), Bachelor (Electrical Engineering) (UTM), Cert. (PPD)

Associate Prof. Ts. Dr. Azman Bin Hasan

Ph.D (Technical & Vocational Education) (UTM), Master (Technical Education) (KUiTTTHO), Bachelor (Civil Engineering) (ITTHO)

Ts. Dr. Rohayu Binti Roddin

Ph.D (Town & Regional Planning) (UTM), Master (Tourism Planning) (UTM), Bachelor (Town & Regional Planning) (UTM)

Associate Prof. Ts. Dr. Affero Bin Ismail

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Ph.D (Pengurusan Hotel) (UTM), Master (Technical & Vocational Education) (UTHM), Bachelor (Hotel Management) (UTM)

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Cert.of Elec. Power (Politeknik Port Dickson)

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Cert. (Politeknik Sultan Salahudin Abdul Aziz Shah, Shah Alam).

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Master (Technical & Vocational Education) (UTHM), Bachelor (Food Service Managment) (UTM) Diploma (Food Service Managment) (UTM)

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Ph.D (Computational intelligence Engineering) (Nottingham Trent University),

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ACTiVE

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Associate Prof. Dr. Nor Lisa Binti Sulaiman

PhD (Education & Human Resource) (Colorado State University), Master (Education) (UTM), Bachelor (Electrical Engineering) (UTM), Cert. (PPD)

Programme Name

Bachelor in Foodservice Technology with Honours

Programme Aims

The program is designed to be in line with the vision and mission of the University. Through this program, graduates are expected to become part of the skilled worker which is capable in driving the growth of the country accordance with the aspirations of Vision 2020. This will be done with the course emphasizing new technologies, which also include theoretical and practical skills. In addition, this program will also expose students to a variety of activities that can increase the generic skills and personality.

Programme Educational Objectives (PEO)

These are the PEOs for Bachelor in Foodservice Technology with Honours:

PEO 1 : To produce food service technologists who can apply knowledge, skills, competencies and innovations related to food service tasks and problems and challenges.

PEO 2 : To produce technopreneurs in food service related technology.

PEO 3 : To produce relevant, respected and referred professionals in food service technology.

Programme Learning Outcomes (PLO)

These are the PLOs for Bachelor in Foodservice Technology with Honours:

- PLO 1 : Apply knowledge of technology fundamentals to define and applied commercial foodservice technology system procedures, processes, systems and methodologies.
- PLO 2 : Able to suggest and apply latest tools and techniques to solve and upgrading of commercial foodservice technology system faults and problems.
- PLO 3 : Demonstrate strong analytical and critical thinking skills to solve common commercial foodservice problems and solutions in the field of study.
- PLO 4 : Able to communicate and articulate effectively in both verbal and written among technologist communities and society at large.
- PLO 5 : Demonstrate understanding of the societal related issues and the consequent responsibilities relevant foodservice technology practices..
- PLO 6 : Recognize the needs for professional development and to engage independent lifelong learning in foodservice specialist technologists..
- PLO 7 : Demonstrate an awareness of management and technopreneurship practices in real perspective.
- PLO 8 : Demonstrate professionalism and social and ethical consideration.
- PLO 9 : Demonstrate leadership quality, mentoring and work effectively in diverse teams.

Curriculum Structure

Table 1: Summary of curriculum for the Bachelor of Technology in Refrigeration and Air Conditioning with Honours

COURSE COMPONENT	BIL	COURSE CODE	COURSE	CREDIT
UNIVERSITY CORE	1	UHB13102	English for General Communication	2
	2	UWB1**02	Third Language	2
	3	UHB20102	English for Technical Communication	3
	4	UQI10702	Appreciation, Ethhnic & Civilization	2
	5	UHB30102	English for Profesional Communication	3
	6	UQU11202	Philosophy & Current Issues	2
	7	UHB40102	English for Occupational Purposes	2
	8	UQ*1**01	Cocurriculum 1	1
	9	UQ*1**01	Cocurriculum 2	1
	10	UQU 10903	Integrity and anti corruption	3
TECHNOLOGIST COMMON CORE	1	BBI20303	Psychology in Industry	3
	2	BBI10202	Enterpreneurship	2
	3	BBI10103	Industrial Revolutions	3
	4	BBI40812	Industrial Training	12
	5	BBI20404	Technopreneur Capstone 1: Revenue Generation	4
	6	BBI30504	Technopreneur Capstone 2: Managing New & Ongoing Ventures	4
	7	BBI30604	Final Year Project 1	4
	8	BBI30706	Final Year Project 2	6
TECHNOLOGIST DISCIPLINE CORE	1	BBS10106	Foodservice Commercial Business Operation	6
	2	BBS10205	Industrial Policies & Regulations in Foodservice	5
	3	BBS10304	Foodservice Information System	4
	4	BBS10406	Barista Technology & Coffee Production	6
	5	BBS20106	E-Procurement Technology	6
	6	BBS20206	Food Costing & Budgeting Data Analytic	6
	7	BBS20305	Food Styling & Creative Technology	5
	8	BBS20405	Food Innovation for Commercialization	5
	9	BBS20104	Foodservice Planning & Design Technology	4
	10	BBS30205	Kitchen Commercial Production Technology	5
	11	BBS30305	Restaurant Operation Technology	5
	12	BBS30405	Kitchen Facilities & Equipment Technology	5
	13	BBS30506	Food Quality Control & Assurance	6
JUMLAH				122

University Course Synopsis

UQ* 10602 French Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic of French. Students are exposed to the skills of listening, reading, speaking and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using French.

References

1. Booth, Trudie Maria, (2008). French Verbs Tenses. McGraw-Hill. Call no.: [PC 2271, U66 2008].
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7. Grégoir, Maïa et al, (1995). Grammaire Progressive du Français avec 500 exercices. Paris: CLE International.
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10. French Dictionary (1999). The New Collins Robert 5th Edition. Paris: Harper Collins Publishers.

UQ*10902 Mandarin Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic of Mandarin. Students are exposed to the skills of listening, reading, speaking and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using Mandarin Language.

References

1. Lim Hong Swan, Yeoh Li Cheng, (2010). *Mandarin Made Easy Through English*. Batu Pahat: Penerbit UTHM. [PL1129.E5 .L554 2009 a]
2. Liu Xun (2010). *New Practical Chinese Reader: Textbook*. China: Beijing Language and Culture University Press. [PL1129.E5 .L58 2010]
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4. Liping Jiang (2006). *Experiencing Chinese*. China: Higher Education Press. [PL1129.E5 .T59 2006]
5. Kang Yuhua (2005). *Conversational Chinese 301*. China: Beijing Language and Culture University Press. [PL1121.C5 .K36 2005]

UQ*11002 Malay Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic Malay language. Students are exposed to the skills of listening, reading, speaking, and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using Malay language.

References

1. Ainun Mohd (2011). *Tesaurus Bahasa Melayu*. PTS Professional Publishing. [PL5123 .A364 2011]
2. Kamaruddin Saad (2009). *105 karangan bahasa melayu UPSR*. Minerva Publishing. [PL 5108 KAM 2009]
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4. Asmah Hj. Omar (1993). *Susur Galur Bahasa Melayu*. [DBP: KL. PL5127 .A85 1993 N1]
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6. Asmah Hj. Omar (1985). *Kamus Ayat*. Eastview. [PL5091 .A85 1985 rd]

UQB11202 Arabic Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic of Arabic. Students are exposed to the skills of listening, reading, speaking and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using Arabic.

References

1. Mohd Hisyam Abdul Rahim; Ahmad Sharifuddin Mustapha; Mohd Zain Mubarak (2008). *Bahasa Arab UMR 1312*. Batu Pahat: Penerbit UTHM. [PJ6115 .M445 2008 a]
2. Abu 'Amiir 'Izzat. (2008). *Kamus adik: bahasa Melayu-bahasa Inggeris-bahasa Arab*. Kuala Terengganu: Pustaka Darul Iman. [PJ6640 ABU 2008]
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4. Abdullah, Mustaffa Siti Rohaya Sarnap Siti Sujinah Sarnap. (2006). *Cara mudah belajar Bahasa Arab*. Singapore: Jahabersa. [PJ6106 .A22 2006]
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6. Mohd Azani Ghazali, Abdul Aziz Hassan @ Yahya. (2000). *Kamus ringkas Bahasa Melayu- Bahasa Arab*. Johor Bahru: Jahabersa. [PL5091.8 .A7 .M393 2000 rd]
7. Fuad Ni'mat. (1973). *Mulakhass qawa'id al-lughatul 'arabiyyah*. Damsyik: Darul

UQB10802 Japanese Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic Japanese language. Students are exposed to the skills of listening, reading, speaking, and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using Japanese language.

References

1. Surie, Network (2010). AE Minna no Nihongo 1-2 Elementary: Translation and Grammatical Notes, Tokyo: 3A Corporation. [PL539.3 .M57 2010]
2. Surie, Network (2010). AE Minna no Nihongo 1-1 Elementary: Main Textbook, Tokyo: 3A Corporation. [TK7885.7 .V44 2000r]
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UQB10702 German Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic German language. Students are exposed to the skills of listening, reading, speaking, and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using German language.

References

1. Astrid Henschel, (2006). *German Verb Tenses*. New York: McGraw-Hill. [PF3301. H46 2006]
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UQB 11102 Spanish Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic Japanese language. Students are exposed to the skills of listening, reading, speaking, and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using Japanese language.

References

1. Nurul Sabrina Zan, (2010). *Hola! Hablo español* First Edition Batu Pahat: Penerbit UTHM. [PC4445 .N72 2010a]
2. Salina Husain, (2005). *Vamos a aprender español lengua extranjera* Batu Pahat: Penerbit UTHM. [PC4121 .S24 2005a]
3. Bey, Vivienne (2004). *Spanish verbs drills*. Mc. Graw Hill. [PC4271 .B49 2004]
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UQB11302 Javanese Language

Prerequisite Course: None

Synopsis

This course is designed for students to learn the basic Javanese language. Students are exposed to the skills of listening, reading, speaking, and writing with basic vocabulary, grammar and structure. Students are also exposed to the real daily situations which will help them to communicate using Javanese language.

References

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2. Majendra, Maheswara (2010). *Kamus lengkap Indonesia-Jawa, Jawa-Indonesia/ Majendra Maheswara*. Pustaka Mahardika. XX(131732.1)
3. Budhi Santosa, Iman. (2010). *Nguri-uri paribasan Jawi = Melestarikan peribahasa Jawa*. Intan Pariwara. XX(131751.1)
4. Yrama, Widya (2008). *Cara belajar membaca dan menulis huruf jawa, jilid 1*. Yrama Widya. Publication info: 2008 XX(131738.1)
5. Yrama, Widya (2008). *Cara belajar membaca dan menulis huruf jawa, jilid*

UHB 13102 English for General Communication

Prerequisite Course(s): None

Synopsis

This course aims to develop students' existing English Language skills so they will be able to communicate better in their current higher education setting. Through guided and independent learning activities, students will develop their skills in reading, listening, writing and speaking. At the end of the course, students should be able to recognize relevant information in texts on topics of interest and students should also be able to write on familiar topics. Furthermore, this course will provide students with opportunities to enhance their listening and speaking skills.

References

1. Argentar, D. M., Gillies, K. A. N., Rubenstein, M. M., & Wise, B. R. (2020). Reading and writing strategies for the secondary english classroom in a PLC at work: A guide to closing literacy achievement gaps and improving student ELA standards skill development. Solution Tree.
2. Bottomley, J., Maude, K., Prymachuk, S., & Waugh, D. (2019).

- Communication skills for your education degree. Critical Publishing.
3. Brownlie, F. (2019). Grand conversations, thoughtful responses: A unique approach to literature circles. Portage & Main Press.
 4. Murphy, R. (2019). English Grammar in Use Books and interactive ebooks 5th edition: A self- study Reference and Practice Book for Intermediate Learners of English (5th). Cambridge University Press
 5. Vorholt, J. (2018). New ways in teaching speaking, second edition. TESOL Press.

UHB 23103 English For Technical Communication

Prerequisite Course: English for General Communication

Synopsis

This course introduces students to basic information of technical communication such as technical definition and description by using appropriate language conventions. At this level, students will be exposed to the different types of proposal writing. In addition, students will also learn about the components of technical documents. Finally, students are also expected to orally present their proposal.

References

5. Deb, D., Dey, R., Balas, V. E., Deb, D., Dey, R., & Balas, V. E. (2019). Technical Writing and Publishing. Engineering Research Methodology: A Practical Insight for Researchers, 49-66.
6. Lannon, J.M. & Gurak, L.J. (2020). Technical Communication (15th ed.). Pearson Education.
7. Monavarian, M. (2021). Basics of Scientific and Technical Writing. MRS Bulletin 46, 354–355. <https://doi.org/10.1557/s43577-021-00091-7>
8. Salamat, M. (2019). Technical Writing Competence of The Pre-Service Teachers. International Journal of Multidisciplinary Studies, 1(1), Archives-Archives.
9. Zhang, K., Cornejo, P. K., & Fosen, C. (2021, July). Improving Technical Writing for Civil Engineering Students Through Short Written Assignments. In 2021 ASEE Virtual Annual Conference Content Access.

UHB 33103 English for Profesional Communication

Pre-requisite Course(s): UHB 23103 English for Technical Communication

Synopsis

This course aims to assist students to use English competently and confidently for professional communications. The course is designed to help students improve their writing, oral, and interpersonal communication skills to succeed in their prospective professional environments.

References

1. Ainul, A. M. Z. , Rosnani, K., Faizah, A. M., Rafidah, K., Maslawati, M. & Azizah, M. Z. (2021). Workplace Communications for Graduating Students: A Quickguide. Selangor: Ultimate Print Sdn Bhd.
2. Fenning, C. (2022). Effective Emails: The Secret to Straightforward Communication at Work (Business Communication Skills. London: Alignment Group Ltd.

3. Foo, K. P. K., & Leong, O. W. (2021). Company Meetings, Minutes and Resolutions in Malaysia. Malaysia: CLJ Publication.
4. Heymann, P. (2019). The Elevator Pitch for Entrepreneurs: Your Guide to Pitching a Product in under 1 Minute. Berlin: Berlin Speaking.
5. Samsiah, A. H. (2019). Mastering English for Employment. (2nd ed.). Malaysia: Cengage Learning Asia Pte Ltd.
6. Shak, P., & Kamsilawati, K. (2021). Ready to Work: English for Employment. (2nd ed.). Malaysia: Cengage Learning Asia Pte Ltd.

UQI 10702 Appreciation, Ethics and Civilization

Prerequisite Course(s): None

Synopsis

Students should be exposed civilizations and its values as it is the basis for learning of science, technology and engineering. This course is a compulsory course stipulated by the Ministry of Higher Education and UTHM to fulfil MQA requirement.

References

1. Mohd Taib Osman (1997). Islam In The Malay World. Kuala Lumpur: Dewan Bahasa Dan Pustaka. DS36.86.M63 1997
2. Al-Attas, Syed Muhammad Naquib (2011). Historical Fact and Fiction. Kuala Lumpur, Malaysia: UTM Press. BP50.S93 2011 N.S.W: McGraw-Hill. GT3405. W72 2011.
3. Barbara A. West (2009). Encyclopedia of the Peoples of Asia and Oceania (2 Vols.). New York: Facts of Life Inc. GN625.W47 2009 v.2
4. Andrew Gordon (2003). A Modern History of Japan: From Tokugawa Times to the Present. New York: Oxford University Press. DS881.9.G67 2003
5. John Keay (2010) 2nd. Edition. India: A History, From the Earliest Civilisations to the Boom of the Twenty-First Century. New York: Grove Press. PS374.N65 2000

UQI 11202 Philosophy and Current Issues

Prerequisite Course(s): None

Synopsis

This course focuses on the conceptual and practicality of the ethnic relation in the Malaysian context. The discussions comprise of fundamental concepts of ethnic relation and the history of the construction of a plural society, constitution as the core of the societal life, relationship between development and the ethnicity in the aspects of economy, politics and social based on the government and society top-down and bottom-up approaches.

Students

References

1. Shamsul Amri Baharuddin. (2012). Modul Hubungan Etnik g Edisi Dua. Bangi: Institut Kajian Etnik. Universiti Kebangsaan Malaysia.
2. [DS595 .M62 2007].
3. Dworkin, A.G. (1999). The minority report: An introduction to racial, ethnic and gender relations. Fort Worth: Harcourt Barce
4. College Pub. [E184.A1 .M56 1999].
5. Holst, F. (2012). Ethnicization and identity construction in Malaysia. New York: Routledge. [DS595 .H64 2012 v. 12].

6. Wan Hashim Wan Teh. (2011). Hubungan Etnik di Malaysia. Kuala Lumpur: ITNM. [DS595.W36 2011].
7. Zaid Ahmad. (2010). Hubungan Etnik di Malaysia. Oxford Fajar: Shah Alam. [DS595 .H822010].

UQ* 101 Cocurriculum 1 & 2**

Prerequisite Course(s): None

Synopsis

This course is offered in various forms of activity options for students of Bachelor and Diploma level. Eight of the activities offered are Public Speaking, Entrepreneurship, Sports, Community Service, Volunteerism, Leadership, Culture and Innovation.

References

1. Ab. Alim Abd Rahim (2004). Pengurusan gerak kerja kokurikulum. Shah Alam : Penerbit Fajar Bakti. No. Panggilan : LB3605 .A44 2004.
2. Abu Bakar Nordin dan Ikhsan Othman (2008). Falsafah pendidikan dan kurikulum. Perak: Quantum Books. No. Panggilan : LB1570 .A22 2008.
3. Saifullizam Puteh (2006). Pengurusan Kokurikulum: Modul Pengajaran. Batu Pahat: Universiti Tun Hussein Onn Malaysia. No Panggilan : LB3605 .S24 2006 a.
4. Mohd Sofian Omar Fauzee, Aminuddin Yusof dan Borhan Yusof (2002). Kokurikulum : peranan dan implikasi. Kuala Lumpur : Utusan Pub.. No panggilan : LB3605 .M76 2002.
5. Mok, Soon Sang (2008). Pengurusan Kokurikulum dan Pendidikan Sukan. Puchong : Penerbitan Multimedia. No panggilan : LB3605 .M64 2008.

UQI10102 Islamic Studies

Prerequisite Course(s): None

Synopsis

This course explains about Islamic concept as ad-deen. It discusses the study of al-Quran and al-Hadith, Sunnism, schools of Islamic theology, development of schools of Fiqh, principles of muamalat, Islamic Criminal Law, Islamic work ethics, issues in Islamic family law and current issues.

References

1. Harun Din (Dr.) (2001), *Manusia Dan Islam*, cetakan pertama, Kuala Lumpur: Dewan Bahasa dan Pustaka. [BP174. M36 1990]
2. Mustafa Abdul Rahman (1998), *Hadith 40*, Kuala Lumpur: Dewan Pustaka Fajar.[BP135. A2 M87 1998]
3. Ismail Haji Ali, (1995), *Pengertian dan Pegangan Iktikad yang benar: Ahli Sunnah Wal Jamaah*: Kuala Lumpur: Penerbitan al-Hidayah. [BP166.78. P46 1995]
4. Paizah Haji Ismail (1991), *Undang-undang Jenayah Islam*, Kuala Lumpur: Dewan Pustaka Islam, Angkatan Belia Islam Malaysia. [BP144. P35 1991]

5. Mustafa Haji Daud (1989), *Institusi Kekeluargaan Islam*, Kuala Lumpur: Dewan Pustaka dan Bahasa. [BP188.3. F3.M87 1989]

UQI 10202 Moral Studies

Prerequisite: None

Prerequisite Course(s): None

Synopsis

This course explains on concepts of moral, aspects of moral and its importance in daily lives, Western moral theories and moral values of great religions of the world, moral values in work and current moral issues.

References

1. Mohd Nasir Omar. (2010). *Falsafah Akhlak*, Penerbit Universiti Kebangsaan Malaysia, Bangi. [BJ1291 .M524 2010].
2. Hussain Othman. (2009). *Wacana Asasi Agama dan Sains*. Batu Pahat: Penerbit UTHM. [BL 240.3 H87 2009a].
3. Hussain Othman, S.M. Dawilah Al-Edrus, Berhannudin M. Salleh & Abdullah Sulaiman. (2009). *PBL Untuk Pembangunan Komuniti Lestari*. Batu Pahat: Penerbit UTHM. [LB 1027.42 P76 2009a].
4. Eow Boon Hin. (2002). *Moral Education*. Longman. [LC268 .E48 2008].
5. Ahmad Khamis. (1999). *Etika Untuk Institusi Pengajian Tinggi*. Kuala Lumpur: Kumpulan Budiman. [LC315.M3 .A35 1999].

UQI 10302 Islamic and Asian Civilisations

Prerequisite Course(s): None

Synopsis

This course discusses on the civilization, its development, interaction between civilizations, the Islamic civilization, Islam in Malay civilization; contemporary civilization issues and the principles of Islam Hadhari.

References

1. Saifullah Mohd Sawi (2009), *Sejarah dan tamadun Islam di Asia Tenggara*, Shah Alam. Karisma Publications, [BP63.A785 .S24 2009]
2. Sazelin Arif, (2007), *Tamadun Islam dan tamadun Asia*, Shah Alam, Selangor: McGraw Hill. [BP190.5 .T35 2007]
3. Abu al-Fida al Hafiz Ismail ibn Kathir ; penterjemah Zaidah Mohd Nor ... [et al.],
4. (2005), *Sejarah tamadun Islam Ibn Kathir*, Kuala Lumpur : Dewan Bahasa dan Pustaka. [DS36.85.I32 2005 v.1]
5. Mohd Liki Hamid, (2003), *Pengajian tamadun Islam*, Bentong : PTS Publications and Distributors. [DS36.85 .P46 2003]
6. Lok, Chong Hoe, (1998), *Tamadun Cina : falsafah, pandangan hidup dan aspek-aspek kesenian*, Kuala Lumpur : Pusat pembangunan dan Pendidikan Komuniti (CEDC) dan Sekretariat Falsafah dan Sains Islam. Universiti Sains Malaysia. [DS721 .L64 1998]
7. Rajakrishnan Ramasamy, M Rajantheran, (1994), *Pengantar tamadun India*, Kuala Lumpur : Penerbit Fajar Bakti. [DS425 .R34 1994]

UQU 10903 Integrity and Anti Corruption

Prerequisite Course(s): None

Synopsis

Kursus ini merangkumi konsep asas tentang nilai integriti dan bentuk perbuatan rasuah dan salah guna kuasa dalam kehidupan seharian serta dalam organisasi. Selain itu, kursus ini turut membincangkan kaedah pencegahan rasuah yang berlaku dalam kehidupan seharian dan organisasi. Isu dan kes rasuah sebenar turut dibincangkan dalam sesi pembelajaran di samping lawatan ke Pejabat Suruhanjaya Pencegahan Rasuah Malaysia (SPRM).

References

1. Pusat Governans, Integriti dan Antirasuah Nasional (2019). Pelan Antirasuah Nasional 2019-2023. Jabatan Perdana Menteri, Putrajaya
2. Kerajaan Malaysia (2001). Akta Pencegahan Pengubahan Wang Haram, Pencegahan Pembiayaan Keganasan dan Hasil daripada Aktiviti Haram 2001 (AMLA). Percetakan Nasional Berhad, Kuala Lumpur
3. Kerajaan Malaysia (2009). Akta Perlindungan Pemberi Maklumat 2010. Percetakan Nasional Berhad. Kerajaan Malaysia (2009). Akta Perlindungan Saksi 2009. Percetakan Nasional Berhad, Kuala Lumpur.
4. Kerajaan Malaysia (2009). Akta Suruhanjaya Pencegahan Rasuah Malaysia 2009. Percetakan Nasional Berhad, Kuala Lumpur
5. Rahimah Abdul Rahim (2016). Siri Penyelidikan Pengajian Rasuah: Rasuah, Governans & Integriti. Penerbitan Akademi Pencegahan Rasuah Malaysia
6. Zulkanain Abdul Rahman, Ahmad Kamal Ariffin Mohd Rus & ors (2017). Sejarah Perjuangan SPRM Satu Perjalanan. Universiti Malaya, Kuala Lumpur
7. Mohamad Tarmize (2017). Menangani Rasuah dalam Perolehan Kerajaan. Penerbit Bahagian Pendidikan Masyarakat, Suruhanjaya Pencegahan Rasuah Malaysia, Putrajaya
8. Mohamad Tarmize (2013). Jerung dalam Jaring Kami. Penerbit Bahagian Pendidikan Masyarakat, Suruhanjaya Pencegahan Rasuah Malaysia, Putrajaya.
9. Syed Hussein Alatas (2009). Rasuah: Sifat, Sebab dan Fungsi. Dewan Bahasa dan Pustaka: Kuala Lumpur.

Faculty Course Synopsis

BBI10103 Industrial Revolutions

Prerequisite Course(s): None

Synopsis

This course is relevant to expose about knowledge about industrial revolutions that happened in global. It is important to give knowledge about elements in industrial

revolutions, describe about additive manufacturing, figure about about autonomous robots, supply chain, cloud computing, cyber security, internet of things, big data analytics, horizontal and vertical integration, and simulation and augmented reality.

References

1. Mukhopadhyay, Subhas Chandra (2014), Internet of things : challenges and opportunities, Cham : Springer ISBN: 9783319042220 (TK7895.E43 .I57 2014)
2. El-Haggar, Salah M.(2015), Sustainability and innovation : the next global industrial revolution, Cairo ; New York : The American University In Cairo Press, ISBN: 9789774166471(HC79.E5.E53 2015)
3. Majumdar, Sumit Kumar (2012), India's late, late industrial revolution : democratizing entrepreneurship, Cambridge : Cambridge University Press, ISBN: 9781139057455 (XX(171293.1)
4. Akerkar, Rajendra (2014), Big data computing, Boca Raton, : CRC Press, Taylor and Francis Group, ISBN: 9781466578371 (QA76.9.D3 .B53 2014)

BB10302 Entrepreneurship

Prerequisite Course(s): None

Synopsis

The course introduces students to the concepts of entrepreneurship. The goal of the course is to provide students with essential information on the entrepreneurial process. The focuses of the course are on business concept development and feasibility analysis to assess the viability of the concept. The course includes concepts of entrepreneurship, creativity, innovation, and new venture creation process. Students will learn to generate ideas, identify opportunities and investigate whether it can be turned into a viable business through feasibility analysis. Entrepreneurial marketing will be given emphasis in this module as it is one of the important factors in feasibility analysis. Concepts such as product positioning, market segmentation, Michael Potter's five forces of industry structure and SWOT (Strength, weakness, Opportunity and Threat) will be introduced. Students will also learn to select, develop, and evaluate new products/ services, set prices to maximize profitability and make the most efficient use of public relations, publicity during product launches and initial rollouts.

References

1. NTU (2013). Entrepreneurship & Innovation Asia. Overview. Nanyang Technological University, Singapore: Nanyang Technopreneurship Center.
5. Kuratko, D. F. (2017). Entrepreneurship: Theory, Process, Practice, 10th edn. Boston, MA, USA: Cengage Learning.
6. Shane, S. A. (2007). Finding Fertile Ground: Identifying Extraordinary Opportunities for New Ventures, 2nd Print.
7. Lewis, M. (2012). The New Thing: A Silicon Valley Story. London, Great Britain: Hodder & Stoughton Ltd.
8. Porter, M. E. (2008). Competitive Strategy: Techniques for Analyzing Industries and Competitors. The Free Press.
9. Stross, R. E. (2001). eBoys: The First Inside Account of Venture Capitalists at Work. Crown Publishing Group.

BB1 20303 Industrial Psychology

Prerequisite Course(s): None

Synopsis

This course is concerned of understanding of psychology in workplace. The learning content focus on organizational background, attitudes, behaviour, recruitment, issues, motivation, stress management, conflict, employee performance and healthy workplace.

References

1. Azlina Abu Bakar (2013). Psikologi Industri dan Pengurusan Sumber Manusia. Kuala Terengganu: Penerbit Universiti. [HF5549.A94 2015]
2. Donald M Truxillo, Tayla N Bauer, Berin Erdogan (2016). Psychology and Work. London: Taylor & Francis
3. Micheal G. Aamodt (2015). Industrial/Organizational Psychology : An Applied and Approach. US: Mason
4. Paul Levy (2015). Industrial/Organizational Psychology: Understanding the Workplace. New York, US: Worth Publishers Inc.
5. Paul E Spector (2016). Industrial and Organizational Psychology: Research and Practice. US: Wiley

BBI 20404 Technopreneur Capstone 1 : Revenue Generation

Prerequisite Course(s): None

Synopsis

The start-up and growth of an enterprise invariably involves both human and financial capital. To manage the increasing pool of human resources and to convince venture capitalists to invest become two main issues especially for growing venture. This course consists of two parts: in the first part, organization and human resource management are introduced; in the second part, the focus is on writing a convincing business plan to attract venture capital investment. When enterprise starts to take shape and grow, more people will be hired, proper organization, team building and human resource management will become important issues. In this course, students will be exposed to the various organizational aspects relevant to new ventures and established companies. These include the pros and cons of the different organization structures, conflicts that may arise among employees, and approaches to building strong teams. Human resource management techniques will also be introduced and discussed. In the second part of the course, the business model canvas will be described listing the connections among the different components of a business. The value of a business plan and the techniques of writing a business plan will be introduced.

References

1. NTU (2013). Entrepreneurship & Innovation Asia. Overview. Nanyang Technological University, Singapore: Nanyang Technopreneurship Center.
2. Cremades, A. (2016). The Art of Startup Fundraising. Pitching Investors, Negotiating the Deal, and Everything Else Entrepreneurs Need to Know. Hoboken, NJ: John Wiley & Sons.
3. McKinsey & Co., Koller, T., Goedhart, M. & Wessels, D. (2015). Valuation. Measuring and Managing the Value of Companies, 6th edn. Hoboken, NJ: John Wiley & Sons.
4. Stowe, J. D., Robinson, T. R., Pinto, J. E. & McLeavey, D. W. (2007). Equity Asset Valuation. Hoboken, NJ: John Wiley & Sons.
5. Pereiro, L. E. (2002). Valuation of Companies in Emerging Markets. A Practical Approach. New York: John Wiley & Sons.
6. OECD (2015). Boosting Malaysia's National Intellectual Property System for Innovation. Paris: OECD Publishing.

BBI 30504 Technopreneur Capstone 2 : Managing New & Ongoing Ventures

Prerequisite Course(s): None

Synopsis

The start-up and growth of an enterprise invariably involves both human and financial capital. To manage the increasing pool of human resources and to convince venture capitalists to invest become two main issues especially for growing venture. This course consists of two parts: in the first part, organization and human resource management are introduced; in the second part, the focus is on writing a convincing business plan to attract venture capital investment. When enterprise starts to take shape and grow, more people will be hired, proper organization, team building and human resource management will become important issues. In this course, students will be exposed to the various organizational aspects relevant to new ventures and established companies. These include the pros and cons of the different organization structures, conflicts that may arise among employees, and approaches to building strong teams. Human resource management techniques will also be introduced and discussed. In the second part of the course, the business model canvas will be described listing the connections among the different components of a business. The value of a business plan and the techniques of writing a business plan will be introduced.

References

1. NTU (2013). Entrepreneurship & Innovation Asia. Overview. Nanyang Technological University, Singapore: Nanyang Technopreneurship Center.
2. Duening, T. N., Hisrich, R. D. & Lechter, M. A. (2015). Technology Entrepreneurship. Taking Innovation to the Marketplace, 2nd edn. Elsevier.
3. Maurya, A. (2016). Scaling Lean: Mastering the Key Metrics for Startup Growth. Penguin.
4. Maurya, A. (2012). Running Lean: Iterate from Plan A to a Plan That Works, 2nd edn. Sebastopol, CA: O'Reilly.
5. Nelson, A., Dorf, R. C. & Byers, T. H. (2014). Technology Ventures: From Idea to Enterprise. McGraw-Hill Education.

BBI30604 Final Year Project 1 (FYP1)

Prerequisite Course(s): None

Synopsis

This course is for fullfill students with knowledge in conducting research methods, particularly in the field of technical and vocational education in Malaysia. It is important in providing human capital development equivalent with global developments.

References

1. Rowena, M., How to write a thesis. 3rd Edition. England: Open University Press., 2011.
2. J S Graustein , How to Write an Exceptional Thesis or Dissertation: A Step-By-Step Guide from Proposal to Successful Defense, Atlantic PublishingGroup,2014.
3. David Evans, Paul Gruba, Justin Zobel,How to write better thesis,Springer,2014.
4. Jurnal-jurnal akademik

BBI30706 Final Year Project 2 (FYP2)

Prerequisite Course(s): Final Year Project 1 (BBI 30204)

Synopsis

This course is for fullfill students with knowledge in conducting research methods, particularly in the field of technical and vocational education in Malaysia. It is important in providing human capital development equivalent with global developments.

References

1. Rowena, M., How to write a thesis. 3rd Edition. England: Open University Press., 2011.
2. J S Graustein , How to Write an Exceptional Thesis or Dissertation: A Step-By-Step Guide from Proposal to Successful Defense, Atlantic PublishingGroup,2014.
3. David Evans, Paul Gruba, Justin Zobel,How to write better thesis,Springer,2014.
4. Jurnal-jurnal akademik

BBI40912 Industrial Training

Prerequisite Course(s): None

Synopsis

This course is to expose students about the real environment working in engineering field. Understand the work culture in the industry and developing students technical and interpersonal skills as a preparation when serving in an educational institute .

References

1. University Industrial Training Guidelines.
2. Faculty Industrial Training Guidelines.
3. Academic Regulations.

BBS10106 Foodservice Commercial Business Operation

Prerequisite Course(s): None

Synopsis

This course presents a systematic approach of the Foodservice Operation in commercial establishment. Futhermore, this course will expose students in the areas which is covered the setting up the foodservice, managing, theory and practical in front of the house and back of the house in foodservice organization procedures by detailing the flow of business through restaurant, quick service restaurant, airlines catering, from the booking system, online ordering, delivery system and others. The course is designed such a way that students will know how to open and running the overall operation of the foodservice

References

1. Palacio, J. P. & Theis, M. (2016). Foodservice Management Principles and Practices. Thirteen Edition. Pearson Education. Edinburgh Gate,England.
2. Reynolds.D., McClusky. K.W.(2013). Foodservice Management Fundamentals. John Wiley & Sons, Inc., River Street, Hoboken.
3. Spears, M. C. & Gregoire, M. B. (2012). Foodservice Organizations: A

- Managerial and Systems Approach. Eighth Edition. Pearson Education, Inc., New Jersey.
4. Palacio, J. P. & Theis, M. (2010). Introduction to Foodservice. Eleventh Edition. Pearson Education, Inc., New Jersey.
 5. Shiring, S.B., Jardine, R.W., Mills, R.J (2001). Introduction to catering Ingredient For Success. Delmar, Inc., Thompson Learning.
 6. Birchfield, J.C. Design and Layout Foodservice Facilities (2007). Third Edition. John Wiley and Sons, Inc., Hoboken, New Jersey.
 7. Knight, J. B. & Kotschevar, L. H. (2000). Quantity Food Production, Planning, and Management. Third Edition. John Wiley & Sons, Inc., Canada.
 8. Shiring, S.B., Jardine, R.W., Mills, R.J (2001). Introduction to catering Ingredient For Success. Delmar, Inc., Thompson Learning.

BBS10205 Industrial Policies & Regulation in Foodservice

Prerequisite Course(s): None

Synopsis

This course exposes overview knowledge and skills related to industrial policies and regulations that related to foodservice industry. Scope of the syllabus cover standards on food and beverages are widely used by the industries voluntarily, such as in testing and certification purposes, due to the requirements by vendors and buyers. Standards are used to ensure the products are processed and manufactured in a safe and hygienic condition. The usage of standards can help to improve quality and safety of food products and beverages. Compliance to standards through certification can be used as a marketing tool to enhance customers' confidence on the products and assure the consumer that the products are of quality, safe and free from hazards

References

1. Maimunah Aminuddin, 2016. Malaysian Industrial Relation & Employment Law, 9th Edition. McGraw Hill. ISBN: 9789670761183
2. Halal Guide Book, 2009, Halal Development Industry Corporation. MDC Publishers. ISBN: 9789834476434
3. Paster T., The HACCP Food Safety Training Manual, John Wiley & Sons, New Jersey, (2015)
4. McSwane D., Linton R., Rue N. R.; Retail Best Practices and Guide to Food Safety and Sanitation, Prentice Hall, New Jersey, (2013)

BBS10304 Foodservice Information System

Prerequisite Course(s): None

Synopsis

The course focuses on information technology and its application in foodservice management. Developments such as e-commerce, intranet/internet, web-technology and telecommunication are discussed as to how they can be successfully applied in the foodservice industry. Computerized information systems (ISs) are often implemented to achieve this goal. However, rarely does the implementation of a new IS prompt a formal empirical evaluation.

References

1. Laudon & Laudon., (2000) Management Information System. Prentice Hall

2. Turban, McLean, and Wetherbe,. (2002) Information Technology for Management 2nd Edition. John Wiley and Sons, Inc.
3. Cox, B. H & Koolzen. W. (2004) Internet Marketing in Hospitality. Prentice Hall, USA.
4. Tesone. D.V., (2005). Hospitality Information Systems and E-Commerce. John Wiley & Sons, Inc.
5. Frenzel, C. (2000)., Management of Information Technology , Thomson Publishing, International Edition

BBS10406 Barista Technology & Coffee Production

Prerequisite Course(s): None

Synopsis

The course focuses on a journey through the coffee-producing nations around the world, presenting the different styles, flavors, and techniques used to brew the perfect cup. Students will explore how coffee gets from bean to cup in each region, and what that means for the final product. Through clear step-by-step instruction, this course will teach how to make latte, cappuccino, and other iconic coffee styles as if you were a professionally trained barista. With more than 130 classic coffee recipes to suit every taste, detailed flavor profiles and tasting notes, as well as recommended roasts from around the world, this course will enhance students practical skills in commissioning the coffee machine and how to maintaining the equipment till the final production. This course is design for baristas, roasters, and coffee professionals who are looking forward to grow their knowledge and skill in brewing, quickly grab this amazing chance to learn more about brewing. Student will learn about how to choose the suitable grindsize to match for the brewing device, how to taste the differences between different grind profile, how to use the equipment to scientifically calculate a coffee's extraction.

References

1. Annete Moldvaer (2014) Coffee Obsession: More Than 100 Tools and Techniques DK Publications
2. Scott Rao (2016)The Professional Barista's Handbook An Expert's Guide to Preparing Espresso, Coffee, and Tea.
3. James Hoffman. (2014) The World Atlas of Coffee: From Beans to Brewing – Coffees explored, explained
4. Fátima Moura (2015) Conversas de Café

BBS20106 E-Procurement Technology

Prerequisite Course(s): None

Synopsis

This course is explain market factors affecting cost and availability of goods including seasonality, supply and demand, distribution channel costs, and quality levels; describe the mechanics of purchasing including food and supply sources, formal and informal bid procedures, on-line computer purchasing, and legal and ethical considerations; explain inspection and grading of foods and the various designations of quality; and conduct yield and quality tests.

Write effective purchase specifications; conduct proper receiving procedures assuring conformity of goods with specifications, prices with quotations, and quantities received with quantities ordered; and explain inventory management principles including stock

rotation, proper storage conditions, and effective issue procedures..

References

1. Ulrich Weigel (Author), Marco Ruecker (Author) (2018) The Strategic Procurement Practice Guide: Know-how, Tools and Techniques for Global Buyers (Management for Professionals) by Springer ISBN-13: 978-3319862170
2. Andrew H. Feinstein, John M. Stefanelli (2011). Purchasing: Selection and Procurement for the Hospitality Industry (8th Edition). Wiley.
3. Lewis Reed (2011). Specs: The Foodservice and Purchasing Specification Manual. Hardcover. Wiley

BBS20206 Food Costing & Budgeting Data Analytic

Prerequisite Course(s): None

Synopsis

The course focuses on food cost and budgeting which is contribute to significant revenue to the foodservice organization. By controlling the cost may generate more profit. So, the organization success or failure is directly tied to the ability of the food and department staff to effectively plan and to control the cost and to plan the efficient purchasing procedure in hospitality. To simplified the calculation, microsoft excel is the easy method to set up the formula to use in the industry

References

1. Paul R. Dittmer and J. Desmond Keefe III (2009), Principles of Food, Beverage & Labor Cost Control, 9th ed., John Wiley & Sons, Inc.
2. Jack E. Miller, Lea R. Dopson, David K. Hayes (2016), Food & Beverage Cost Control, 6th edition., John Wiley & Sons, New Jersey.
3. Feinstein Stefanelli (2005). Purchasing Selection and Procurement for the Hospitality Industry, Six Edition, John Willey Sons.
4. John R. Walker & Donald E. Lundberg .(2005). The Restaurant, From Concept to Operation, 4th ed. John Wiley & Sons: New Jersey
5. Marian C. Spears & Mary B. Gregoire (2004), Foodservice Organizations, A Managerial and System Approach, 5th ed. Pearson Prentice Hall: New Jersey.

BBS20305 Food Styling & Creative Technology

Prerequisite Course(s): None

Synopsis

This course will expose student on how to create beautiful, vibrant food shots with food photography and styling. This workshop provides an in-depth overview of the key principles of photography, how to style the food effectively and using props to enhance your images.

Over the course, students will deepen and broaden their skills in lighting, composition and camera techniques, food preparation and decoration and prop styling. It also offer a wide scope of culinary training, academic knowledge, and experiential learning in topics such as food creative and display artistry and promotion..

References

1. Delores Custer (2010) The Art of Preparing Food for Camera. John Wiley & Sons.
2. Garde Manger, The Art Craft of the Cold Kitchen, by Culinary Institute of America, 2007 Published. John Wiley & Sons.
3. Ari Bendersky., (2013). 1000 Food Art and Styling Ideas. Pub.: Rockpert
4. Alison Parks - Whitfield., (2012). Food Styling and Photography for Dummies. Pub.: Whitfield
5. Cara Hobday., (2010). Food Presentation Secret: Styling Techniques of Profession. Pub.: Firefly books

BBS20405 Food Innovation for Commercialization

Prerequisite Course(s): None

Synopsis

This course presents to expose students with most recent research process in food and technology. This course focuses on the science underlying all aspect foods, including the principle that determine safe storage, handling and preparation. A long with that, student will explore the idean and experiment to food and develop new product indirectly innovate them to commercialize.

References

1. M. Margaret (2012). Foods Experimental Perspectives. Seventh Edition. Pearson
2. Birla, Madan (2014). Unleashing creativity and innovation : Nine lesson from nature for enterprise growth and career success. Hoboken, New Jersey : Wiley
3. Glowacki, Michal (2013). Public media management for the twenty-first century: creativity, innovation and interaction. New york: Routledge
4. Goodman, Malcolm (2013). Creativity and strategic innovation management. Abingdon, Oxon ; New York, NY : routledge
5. Mumford, Michael D. (2014). Leadership, creativity and innovation. Los Angeles :SAGE
6. Edward de bono (2017). De Bono, E. (2017) Six thinking hats. Penguin UK.
7. Min, T. L, & Christian, W. (Eds.). (2017) Hand book of the Management of creativity and innovation: theory and practice. World Scientific Publisihing Company. 8. Dawson, P., &
8. Andriopoulos, C. (2014). Managing change, creativity and innovation. sageE

BBS30104 Foodservice Planning, & Design Technology

Prerequisite Course(s): None

Synopsis

This course presents a systematic understanding and will reflect on understanding and technology used in the current situation concerning on food service, food & beverage, restaurant facilities designs and equipment practice. restaurant industry has reinvented itself in so many ways, to meet the changing demands of customers as well as the new expectations that customers and government entities have for many types of businesses—from environmental sensitivity to conservation of natural resources, to use of local products and vendors to minimize one's "carbon footprint." This syllabus are used by restaurateurs and even equipment dealers, as a goto guide for the basics about all different types of foodservice equipment, how to select it, install it, and take good care of it..

References

1. Palacio, J. P. & Theis, M. (2016). Foodservice Management Principles and Practices. Thirteenth Edition. Pearson Education. Edinburgh Gate, England.
2. Reynolds, D., McClusky, K.W. (2013). Foodservice Management Fundamentals. John Wiley & Sons, Inc., River Street, Hoboken.
3. Spears, M. C. & Gregoire, M. B. (2012). Foodservice Organizations: A Managerial and Systems Approach. Eighth Edition. Pearson Education, Inc., New Jersey.
4. Palacio, J. P. & Theis, M. (2010). Introduction to Foodservice. Eleventh Edition. Pearson Education, Inc., New Jersey.
5. Shiring, S.B., Jardine, R.W., Mills, R.J (2001). Introduction to catering Ingredient For Success. Delmar, Inc., Thompson Learning.
6. Birchfield, J.C. Design and Layout Foodservice Facilities (2007). Third Edition. John Wiley and Sons, Inc., Hoboken, New Jersey.
7. Knight, J. B. & Kotschevar, L. H. (2000). Quantity Food Production, Planning, and Management. Third Edition. John Wiley & Sons, Inc., Canada.
8. Shiring, S.B., Jardine, R.W., Mills, R.J (2001). Introduction to catering Ingredient For Success. Delmar, Inc., Thompson Learning.

BBS30205 Kitchen Commercial Production Technology

Prerequisite Course(s): None

Synopsis

This course presents a systematic approach of food production, as the name suggests, is all about preparing food in which raw materials are converted into ready-made food products for human use either in the home or in the food processing industries. It process comprises of art and scientific approach. Food production has many sections and it starts with basic things like cleaning, packing, segregating, sorting, preparing, adding ingredients in correct proportions, presenting, etc.

This course is a part of major courses where the student must pass before they go for practical training in the real industry. Through this course, students have experience being the Chef on Duty (COD), where he/she needs to develop menus and managing their peers which also being the staff. In this course students need to prepare food to the guests at the Mock-up restaurant either for lunch or dinner. Every session, food will be prepared and served course by course starting from appetizer, soup, main course and dessert. The food prepared also depending on the types of service use in the restaurant because both are relate to each other.

References

1. In Gisslen, W., (2009), Professional Cooking, College Version, 7th Edition.
2. Wiley, The Professional Chef, The Culinary Institute of America, 8th Edition
3. Garde Manger: The Art and Craft of the Cold Kitchen, The Culinary Institute of America, 2008, 3th Edition

BBS30305 Restaurant Operation Technology

Prerequisite Course(s): None

Synopsis

This course provides students with the knowledge and skills for learning in the food service, etiquette and hospitality industries. The main goal of commercial food service operations is to provide food and beverage to customers for profit and create positive guest experiences. These services include fast-food and full-service restaurants, catering and banquet facilities, and recreation and leisure outlets. You also might find commercial food service operators on airlines and cruise ships. Learning techniques to

efficiently respond and services.

References

1. D. R. Lillicrap. Cousins (2010). Food And Beverage Service (8th Edition). Hodder Education
2. Zoe Adjei. Gary Hunter (2011). Food and Beverage Service S/NVQ levels 1&2, (1st Edition). Cengage Learning

BBS30405 Kitchen Facilities & Equipment Technology

Prerequisite Course(s): None

Synopsis

This course will give students a practical based on today's foodservice equipment as it gets more high-tech, training becomes that much more challenging and it becomes that much more important to ensure operators get the most from their investments. Repairing commercial foodservice equipment is challenging for many reasons. Although there are plenty of restaurant "mechanics" in the industry, those who can change switches and bulbs and perform basic repairs, there are far fewer actual "technicians" who really understand foodservice equipment. They're the ones who have the deep-dive and ongoing training to accurately diagnose the reason for a breakdown—beyond the obvious. And the number of qualified and trained technicians who have years of experience learning on the job, through training sessions and under the tutelage of a seasoned technician, is shrinking. The fact that equipment is becoming more complicated compounds the issue.

References

1. John A. Drysdale 2011 Restaurant and Food Service Equipment Pearson Education
2. Reynolds.D., McClusky. K.W.(2013). Foodservice Management Fundamentals. John Wiley & Sons, Inc., River Street, Hoboken.
3. Spears, M. C. & Gregoire, M. B. (2012). Foodservice Organizations: A Managerial and Systems Approach. Eighth Edition. Pearson Education, Inc., New Jersey.
4. Palacio, J. P. & Theis, M. (2010). Introduction to Foodservice. Eleventh Edition. Pearson Education, Inc., New Jersey.

BBS30506 Food Quality Control & Assurance

Prerequisite Course(s): None

Synopsis

This course covers the method of quality and safety monitoring and management in food processing; control of raw materials, process and finished product by statistical method; quality control practice compliance with the government regulations.

References

1. Field, M. 2015. Food Quality Handbook. Callisto Reference, New York. TX541.F66 2015.
2. Alli, I. 2004. Food Quality Assurance: Principles and Practices. CRC Press, Boca Raton. Call number: TP372.5 .A45 2004.
3. Gordon, A. 2015. Food Safety and Quality Systems in Developing Countries. Academic Press, Amsterdam. Call number: TX537.F66. 2015.

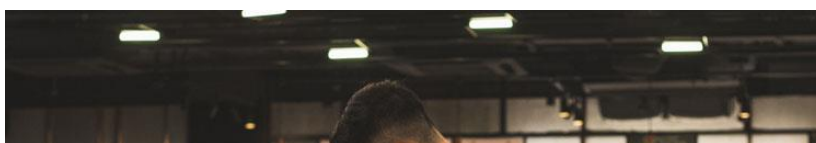
4. Jordan, L. 2015. Food Industry: Food Types, Quality and Safety. Callisto Reference, New York. Call number: TP370 .F66 2015.
5. Knechtges, P. L. 2012. Food Safety: Theory and Practice. Jones & Bartlett Learning, Sudbury. Call number: RA601 .K63 2012.
6. Newslow, D. 2014. Food Safety Management Programs: Applications, Best Practices and Compliance. CRC Press: Boca Raton. Call number: TP372.5 .N48 2014.
7. Shaw, I. C. 2013. Food Safety: The Science of Keeping Food Safe. Wiley-Blackwell, Iowa. Call number: TX531 .S52 2013

Career and Further Education Prospect

Graduates have career opportunities in the private and public sector, particularly in the field of food service. Industries in the Food Services and Drinking Places subsector prepare meals, snacks, and beverages to customer order for immediate on-premises and off-premises consumption.



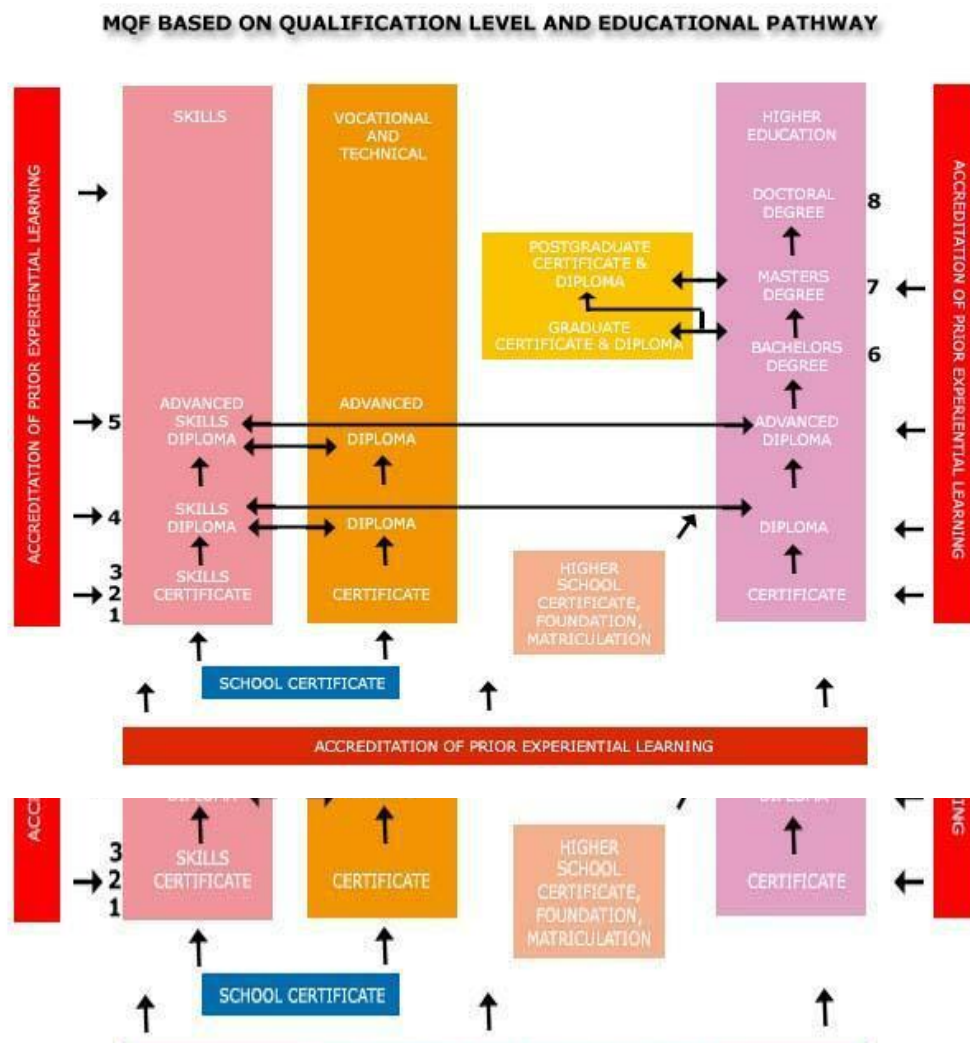
There is a wide range of establishments in these industries. Some provide food and drink only; while others provide various combinations of seating space, waiter/waitress services and incidental amenities, such as limited entertainment. The industries in the subsector are grouped based on the type and level of services provided. The industry



groups are full-service restaurants; limited service eating places; special food services, such as food service contractors, caterers, and mobile food services; and drinking places.

Graduates also have the opportunity to continue their studies at post-graduate level in areas related to technical and vocational education through programs such as Master of Technical and Vocational Education and programs equivalent.

Further Education Pathway



Source: Malaysian Qualification Framework

**MALAYSIAN QUALIFICATIONS FRAMEWORK:
QUALIFICATIONS AND LEVELS**

MQF Levels	Sectors			Lifelong Learning
	Skills	Vocational and Technical	Higher Education	
8			Doctoral Degree	Accreditation of Prior Experiential Learning (APEL)
7			Masters Degree	
			Postgraduate Certificate & Diploma	
6			Bachelors Degree	
			Graduate Certificate & Diploma	
5	Advanced Diploma	Advanced Diploma	Advanced Diploma	
4	Diploma	Diploma	Diploma	
3	Skills Certificate 3	Vocational and Technical Certificate	Certificate	
2	Skills Certificate 2			
1	Skills Certificate 1			

Source: Malaysian Qualification Framework



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