



TAYLOR'S
UNIVERSITY

Wisdom • Integrity • Excellence



Doctor of Philosophy (PhD)

BUSINESS • EDUCATION • ENGINEERING • HOSPITALITY & TOURISM • SCIENCE





TAYLOR'S LAKESIDE CAMPUS



At Taylor's University, we are constantly aspiring towards a culture of academic excellence, while at the same time ensuring our students receive a well-rounded education. From our humble beginning in 1969, our founders had a vision of an institution that is synonymous with teaching excellence and producing students with highest merits. This philosophy is practiced at every level of our organisation, from our teaching faculty to the management of campus facilities and last but not least, it is also emphasised in the psyche of our students so that they are armed with the right knowledge to make their mark in their chosen career paths.



FIRST MODERN TROPICAL UNIVERSITY CAMPUS - *Integrated Campus Experience*

Our award-winning* campus is set on 27 acres of tropical greenery and built around a 5.5-acre lake. It addresses the needs of traditional and non-conventional students through an integrated community that is ecological and conducive for learning and leisure. This campus boasts world-class educational facilities and amenities that prioritise our students' needs. They can take advantage of a wide array of amenities offered including student accommodations, our own Reumz hotel, banks, food outlets, convenience stores, a clinic, a student life centre, a sports arena and a multi-purpose hall. There are also general learning resources, such as a library, computer labs, lecture theatres and laboratories.



*2011 Gold Award in Category 5 (Education) by PAM (Pertubuhan Akitek Malaysia) & 2011 Global Interior Design Award

AWARDS AND RECOGNITIONS



**QS STARS RATED FOR EXCELLENCE
IN 4 CATEGORIES:**



**QS UNIVERSITY RANKING
BY REGION**



**PERFORMANCE RATING BY
MINISTRY OF EDUCATION**



PUTRA BRAND GOLD AWARDS



**READER'S DIGEST TRUSTED
BRAND GOLD AWARDS**

Awards

2015

- Top 250 universities in Asia in the QS Asia Ranking.
- Awarded the Gold award in the "Education & Learning" category in the Putra Brand Awards for the sixth time in 2015
- Awarded the Reader's Digest Trusted Brand Gold Award in the Private University/College Category for the fifth time in 2015
- Became the first university outside the United States to be accepted into the Grand Challenges Scholar Program, championed by National Academy of Engineering (NAE)

2014

- 'Tier 5: Excellent' rating in the Malaysian Ministry of Higher Education's Rating System (SETARA) 2013
- Gold Award in the 'Education & Learning' category of the Putra Brand Awards 2014
- Gold Award in the 'Private University/ College' category of the Reader's Digest Trusted Brands Award
- Winner in the 'Most Resourceful Career Centre Private University' category of the Graduate Recruitment Awards 2014

2013

- 'Tier 6: Outstanding' rating in the Malaysian Ministry of Higher Education's Discipline-Based Rating System (D-SETARA) (Hospitality and Tourism)
- Gold Award in the 'Education & Learning' category of the Putra Brand Awards 2013
- Recipient of 'Putra Brand Icon' of the Putra Brand Awards 2013
- Gold Award in the 'Private University/College' category of the Reader's Digest Trusted Brand Awards



Taylor's Graduate School is an academic school focusing primarily on postgraduate education through its administration of Masters, Postgraduate Certificate and Doctoral programmes.

Taylor's Graduate School (TGS) is fully dedicated to promoting and enhancing the highest quality of research education and training at Taylor's. It is also involved in developing academic policy, procedures and regulations pertaining to higher degrees by research (HDR), and providing advisory service on these matters to the university.

Specifically, the areas of work include:

- Receiving and processing applications for HDR placement; managing applications, selection and payment of PhD Fellowships
- Supervising research students in coordination with other schools
- Coordinating all HDR examinations, thesis submissions and graduations
- Providing professional development opportunities for HDR supervisors
- Providing research training courses and organising research seminars that support students in completing their PhD programme successfully
- Developing and implementing HDR policies and procedures
- Collecting and analysing HDR candidates' feedback for improvement planning
- Reporting on candidature management through the University Management System
- Managing quality reviews and monitoring HDR performance



Doctor of Philosophy (PhD) **BUSINESS**

KPT/JPS (R/340/8/0630) (MQA/FA 0605) 03/21



About School of Business

Taylor's Business School (TBS) offers both undergraduate and postgraduate programmes in marketing & management and accounting & finance. Established in 1993, the School has grown to become one of the largest and most dynamic business schools in Malaysia. We provide a teaching and learning experience that employs interactivity, progressive techniques and real world application, in an effort to hone the skills of future business-savvy leaders and captains of industry.

We pride ourselves in producing graduates who are highly employable upon graduation. Our partnership with Australian and U.K. universities enables us to offer degree programmes that are up-to-date with market trends and contain industry-relevant content. Through strong linkages and collaborations with industry professionals, we offer co-curricular programmes that expose students to practical field work, and help them gain real world experience and enhance their marketability in the job arena.

Research Unit for BRICC (Business, Research & Innovation Case Centre)

Business, Research & Innovation Case Centre (BRICC) undertakes research and consultancy work both within Taylor's and in collaboration with industry and other educational establishments. BRICC's main axis of research include Accounting, Finance & Economics, Marketing & Management and Entrepreneurship & Business Innovation.

Taylor's Business Review (TBR)

Taylor's Business Review (TBR) is an international peer-reviewed journal devoted to the publication of original papers. TBR is published in English and it is open to authors globally, with an aim to bring the highest quality research to the widest possible audiences. Currently, it is published two times a year (June & December). The objective of this academic journal is to disseminate meticulous studies with a focus on emerging issues in the key functional areas of Business, i.e., Accounting, Corporate Governance, Economics, Finance, Islamic Finance, Marketing and Small Business Management. To this end, TBR invites research papers from Academicians, Industrialists and Research Scholars.

Key Research Areas

Accounting

- Accounting Information Systems and Risk Management
- Corporate Governance
- Financial Reporting
- Market Based Accounting Research

Banking and Finance

- Corporate and Personal Finance
- Electronic Banking
- Financial Management
- Financial Reporting
- Islamic Finance
- Microfinance
- Money Laundering
- Productivity and Efficiency of Financial Institutions
- Risk Disclosure Practices of IPO and PLC
- Risk Management and Supervision of Financial Institution

Consumer Behaviour

- Customer Relationship Management
- Influence of Behaviour upon Society
- Personal Motivation
- Place and Space
- Tourist and Leisure Behaviour

Economics

- Business Economics
- Econometrics
- Energy Economics
- International Economics
- International Macroeconomics (Exchange Rate Management and East Asian Financial-Capital Market Integration)
- International Trade
- Macroeconomics
- Microeconomics
- Statistics
- Tourism Economics

Marketing

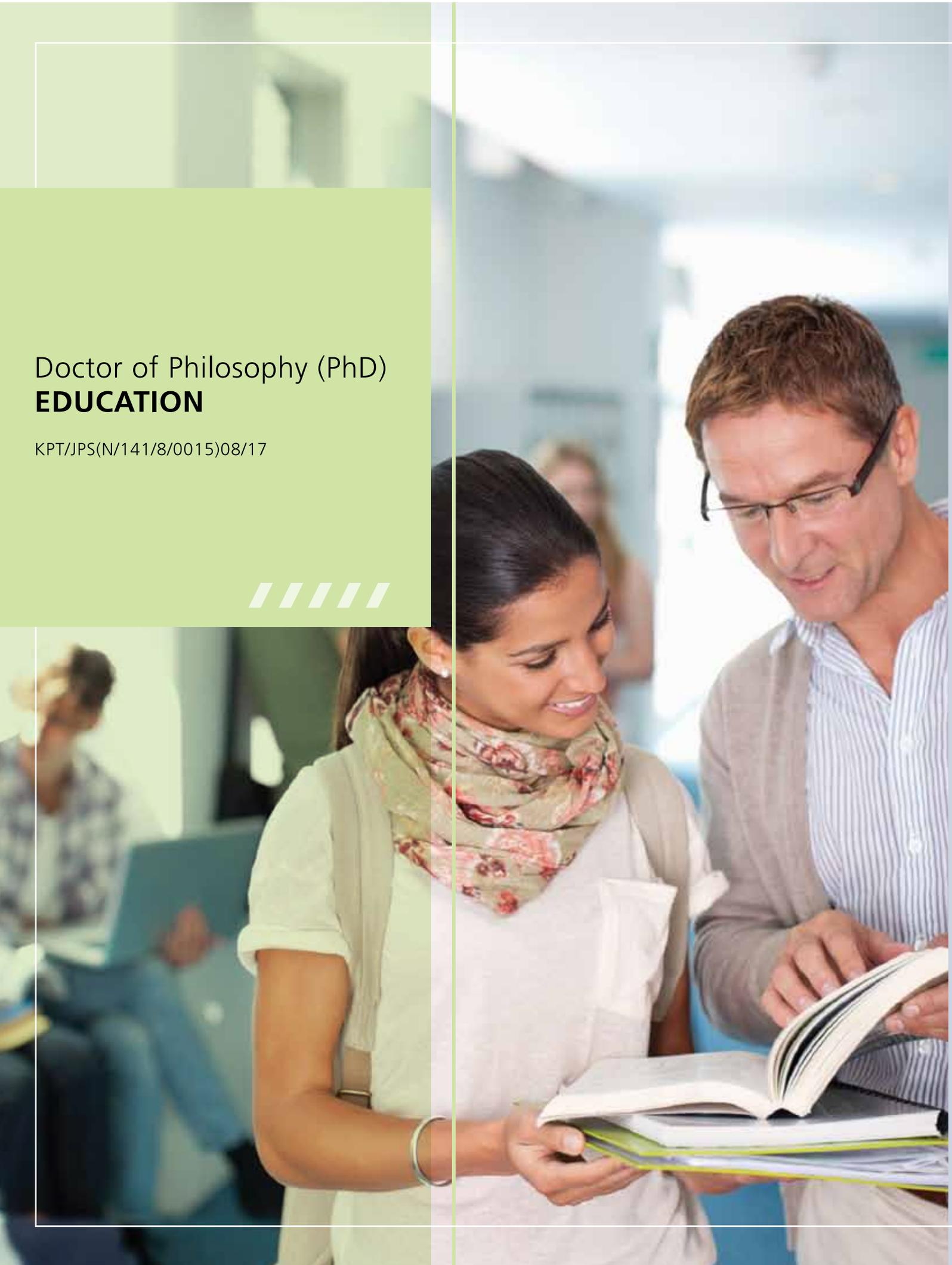
- International Marketing
- Services Marketing
- Digital and Social Commerce Marketing

Management

- Employment and Training Opportunities in South East Asia
- Entrepreneurship
- Environmental Management
- Human resource management
- Knowledge Management
- Poverty Alleviation via Tourism
- Real Estate Development
- Strategic Management
- Sustainable and Responsible Tourism
- Corporate Social Responsibility

Doctor of Philosophy (PhD)
EDUCATION

KPT/JPS(N/141/8/0015)08/17

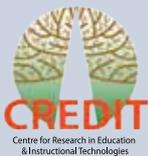


/// About School of Education

The Taylor's School of Education is committed to developing educators who are passionate about the teaching profession. We empower students with knowledge, skills and competencies of the best classroom practices which incorporate cutting-edge technology. We emphasize a combination of theory and practice based on established research findings and innovative methodologies. School of Education students are immersed in a learning environment that promotes life-long educational growth and continuous professional development.

Self-regulated learning (SRL) and reflective practice will be the cornerstones of our teaching and learning approach and this drives our students to take ownership of their learning. At the School of Education, students will experience an exciting and challenging learning journey that is not only grounded in sound educational fundamentals, but also traverses elements of the real and virtual dimensions of learning. School of Education will set you on a path towards an enriching, empowering and enlightening commitment in a vocation that impacts lives of our future generations.

/// Centre for Research in Education and Instructional Technologies (CREDIT)



CREDIT was established in July 2011. It focuses on the growth of new knowledge in the field of education, development of innovative pedagogical practices and the use of instructional technologies through its ongoing research of teaching and learning. CREDIT publishes Journal of Interdisciplinary Research in Education (JIRE), a peer-reviewed journal aimed at promoting and supporting best practices in teaching and teacher education.

/// Key Research Areas

Education Management and Leadership

- Education Policy
- Education Administration
- Mentoring and Supervision in Education
- Education Reform
- School Leadership

Curriculum and Teaching

- Curriculum Theory, Design and Implementation
- Mathematics and Science Education
- Social Studies Education
- Teaching Approaches
- Classroom Management

Technology, Innovation and Learning Design

- e-Learning
- ICT in Education
- Blended Learning
- Pedagogical Innovations

Educational Assessment

- Classroom Assessment
- Testing and Evaluation
- Assessment in Higher Education

Teacher Development

- Teacher Education
- Teacher Professional Development
- Continuing Education

Language Education and Literacies

- Teaching English as a Second Language (TESL) / Teaching English to Speakers of Other Languages (TESOL)
- Teaching Literature
- Teaching Reading
- Second Language Writing
- Literacies and Multi-literacies

Education and Society

- International/ Global Education
- Multicultural Education
- Peace Education
- Education for Sustainable Development
- Philosophy of Education
- Life-long Learning
- Sociology of Education

Doctor of Philosophy (PhD)
ENGINEERING

KPT/JPS (KA 10878) (PA 10878) 01/17



About School of Engineering

Taylor's School of Engineering (SOE) offers postgraduate programmes under a wide variety of research topics in chemical, electrical & electronic and mechanical engineering. We offer a well established curriculum, backed by a group of highly qualified academics who possess multidisciplinary research strengths in the fields of aerodynamics, aerothermodynamics, biomedical engineering, vibration, liquid mixing, flow visualisation, programmable CPU, EDA tools, membrane technology, biochemical engineering and modelling, biosorption, environmental engineering and engineering education.

Our peer-reviewed *Journal of Engineering Science and Technology (JESTEC)* has been indexed by Scopus, thus affirming our commitment to generate and disseminate new knowledge. We are the first Malaysian university to be accepted into the prestigious, global CDIO (Conceive, Design,

Implement, Operate) Initiative, an innovative educational programme for producing the next generation of engineering leaders. SOE houses the Taylor's Technology Innovation Centre (TTIC), which was set up to enable industry to tap into the rich expertise within the School.

We are highly skilled in the art of innovation, regularly conducting workshops and consultancies for companies that want to implement a successful culture of innovation. Our strong industry linkages enable us to get involved in many industrial projects where theory comes to life. Such engagement not only allows us to strengthen our curriculum with the element of experiential learning, but also gives our faculty members many opportunities to share their expertise with the industry via consultancy. Through TTIC, SOE aims to motivate and groom our students to become successful technopreneurs.

Centre of Engineering Research and Development (CERD)



The School of Engineering has a tradition of active contribution and involvement in research and development activities at both the staff and student levels. CERD was established primarily to streamline, increase and promote the research activities and outcomes. This centre provides support for individuals who are interested to innovate and pursue research in chemical, electrical & electronic and mechanical engineering.

Key Research Areas

Acoustics & Vibration

- Acoustic Materials
- Environmental Acoustics
- Human Sound and Vibration Comfort
- Sound and Vibration Source Identification and Isolation

Biomechanical Engineering

- Rapid Prototyping
- Biomaterials
- Tissue Engineering
- Biomimicry

Electrical & Electronics Engineering

- Asynchronous Circuit Design
- Wireless communications
- Blind Source Separation
- RFID
- Artificial Intelligence
- FPGA and VLSI Design
- Non-destructive sensors

Chemical and Biochemical Engineering

- Polymer Composites
- Biomass exploration and utilization
- Products and renewable fuels from biomass
- Nanofluid production and application
- Food and BioProducts Processing
- Wastewater Treatment

- Alternative Energy from Biomass
- Carbon thin-film and thin-film depositions
- Environmental Pollution Management
- Chemical Process Operation Design
- Environmental Biotechnology and Modelling
- Reactors
- Separation Process
- Electrical Grounding System
- Backfill Materials
- High Voltage Experiments
- MEM/NEM (Micro/Nano Electro Mechanical Systems)
- Electronic Moisture Sensor (soil moisture sensor, water in oil detection, dry rubber content sensor)
- Analog and Digital IC Design
- Image Processing & Pattern Recognition
- RF and Microwave
- Antenna and Propagation
- Electrical Machine Design
- Energy Efficient Renewable Systems
- Anti-windup controller

Materials and Manufacturing Engineering

- Ceramic microfabrication
- Ceramic nanocomposites
- Mechanics of Polymer
- Constitutive Modelling
- Ergonomics

Thermofluids and Aerospace Engineering

- Aerodynamics
- Aerothermodynamics
- Computation Fluid Dynamics
- Flight Mechanics
- Flow Visualisation
- Porous Media
- Stability and Control on Airplane and Rockets
- Nanofluids
- Thermal Engines
- Energy and water
- Space micropropulsion
- Industrial Gas turbine

Engineering Education

- Case-based Learning
- Project-based Learning

Doctor of Philosophy (PhD)
HOSPITALITY & TOURISM

KPT/JPS (R/812/8/0090) (A 10907) 01/20



About School of Hospitality, Tourism and Culinary Arts

At Taylor's School of Hospitality, Tourism and Culinary Arts (TCHT), you will benefit from our 30 years of expertise in hospitality and tourism education and training. We are one of the South East Asia's largest and most established hospitality and tourism management school. TCHT clinched the prestigious *PATA Grand Award 2015 for Education and Training*, *HAPA (Hospitality Asia Platinum Awards) Honorary Award for Hospitality Education 2010-2012*, *HAPA Hospitality School of the Year Award 2007-2008* and *PATA (Pacific Asia Travel Association) Gold Award for Education and Training 2008*.

In collaboration with our renowned French partners, the Academie de Toulouse and University Toulouse - Jean Jaures (UT2J) (previously known as University of Toulouse),

we offer a full range of Hospitality, Tourism and Culinary Arts courses, from certificate up to the postgraduate level. We also provide life-long learning opportunities through our host of continuing professional education courses.

We take pride in the quality of our teaching faculty, comprising close to 100 full-time local and expatriate lecturers, many of whom are top academicians with significant industry experience. Our senior faculty members have a wide range of research interests and are capable of supervising PhD students in many areas related to this field of study. Our 9000-strong alumni, many of whom are making a mark in various sectors of the industry worldwide, offer an excellent network to any future graduate.

Centre for Inter-disciplinary Research in Hospitality, Tourism and Food



The Centre for Research and Innovation in Tourism, Hospitality and Food Studies (CRiT) is the centre of excellence of the School of Hospitality, Tourism and Culinary Arts at Taylor's University. It aims to be a reference centre of the country that is committed to tourism, hospitality and food studies by:

- Developing competitive industry practices through consultancy and applied research
- Building capacity and enhancing human capital through training and education
- Yielding environmental, economic and social sustainability through strategic partnerships between the public and private sector.

Key Research Areas

INNOVATION IN TOURISM AND HOSPITALITY

Focus Areas:

- Ecotourism Studies
- Education and Training
- Food and Hospitality Services
- Food Studies
- Hospitality Management
- Impact Studies
- Social Cultural Studies
- Tourism and Economy
- Tourist Behaviour
- Tourism Economics
- Tourism Management
- Tourism Marketing
- Tourism Policy
- Urban Tourism



Doctor of Philosophy (PhD)
SCIENCE

KPT/JPS (R/440/8/0023) (A 10906) 02/20



About School of Biosciences

Taylor's School of Biosciences offers programmes that boast a rich tradition of teaching excellence, pioneering research and producing influential scientists and health-related professionals. The driving force in our School is a group of highly qualified and experienced academics who publish work that have attracted successful grants and funding locally and abroad. This dedicated group focuses on research that addresses and promotes the use of natural remedies in treating illnesses, such as cancer, neurological disorders and infectious diseases. Research findings aim to provide new and alternative natural products to improve health conditions. Another key research focus is environmental health, with the goal of developing new ways to save energy resources, as well as new methods to detect microbial contaminants in our water and food systems.

Through Taylor's research capabilities, our research team has been awarded over 35% of the Ministry of Higher Education's Fundamentals Research Grants Scheme (FRGS). The FRGS provides funds to support the efforts of researchers and produce more quality researchers who approach their work with creativity and dynamism. You will work alongside these highly skilled experts in research, consultancy and scholarly activities to create new scientific knowledge. In support of the dynamic research activities, we have excellent R&D laboratories that are fully equipped with modern infrastructure and facilities. We also organise frequent talks, workshops and seminars to explore key issues and developments in the field, as well as promote knowledge sharing and exchange.

Key Research Areas

RESEARCH CLUSTERS

This dedicated group focuses on research that addresses and promotes the use of natural remedies in treating illnesses, such as cancer, neurological disorders and infectious diseases. Research findings aim to provide new and alternative natural products to improve health conditions. Another key research focus is environmental health, with the goal of developing new ways to save energy resources, as well as new methods to detect microbial contaminants in our water and food systems.

Health Science Research Cluster

This research cluster engages in fundamental and applied scientific research aimed at improving human health. We are comprised of a dynamic team with various expertise in the fields of endocrinology, immunology, drug delivery, infectious disease, cancer, natural product, pharmacogenomics and biochemistry. Our research focuses mainly on the area of drug discovery, specifically in the investigation of new drug targets and mechanisms of drug action, as well as the design and delivery of new drugs.

Food Science and Nutrition Cluster

The broader aim of research in this cluster is to study the fundamentals and applied aspects of new functional foods, medical foods and nutraceuticals as well as new technologies that facilitate development of novel consumer products that enhance human health, food safety and functionality.

Applied Biodiversity Cluster

Research conducted in this cluster focuses in bioremediation, taxonomic identification of marine flora and to facilitate the development of mechanisms or process that are in compliance with environmental laws. It will target improvement in resources savings, waste disposal and resolving environmental stress issues. In addition, researchers in this cluster also provide consultation and training in environmental management systems.

PROGRAMME STRUCTURE

	Minimum Period	Maximum period
Full Time	2 years (24 months)	6 years (72 months)
Part Time	4 years (48 months)	8 years (96 months)

Duration of Candidature

Candidature starts on the first day of the first semester registered. In principle, a two semester registration on a part-time status is equivalent to a long semester on a full-time status. Part-time students pay half of the tuition fees required of full-time students.

For either forms of registration, there is a minimum residency requirement student needs to fulfill. In particular, students must spend a minimum amount of time on campus to ensure they receive quality supervision and cultivate scholarly etiquette.

The minimum and maximum durations are as follows:

▶ Minimum length of candidature

The minimum length of candidature is two years for full-time students and four years for part-time students. Candidature cannot be less than these periods.

Part-time students who are confident of graduating in under four years should register for full-time status at the end of the second year.

▶ Maximum length of candidature

The average duration of candidature for full-time students is three years with a maximum of six years. Part-time students normally take six years to complete their candidature, with a maximum of eight years.

Extension of candidature beyond the maximum period is only possible with the approval of the Senate and the Malaysian Qualification Agency (MQA).

Steps To Apply For Admission

STEP 1:
Check your qualifications
for admission

STEP 2:
Identify your potential supervisor

STEP 3:
Refine your research proposal

STEP 4:
Submit your application

HOW TO APPLY

ADMISSION

Entry Requirements

- Masters in related discipline
OR
- Passed Bachelor's degree with minimum CGPA 3.67 and registered as a Masters candidate and passed related qualifying assessment
OR
- Any other equivalent qualification recognised by the Malaysian Government or accepted by the Taylor's University Senate
AND
- Any of condition of the above would require student's research proposal to be approved by School Postgraduate Committee

International Students

Visa Application

The Malaysian Immigration Department requires 6–8 working weeks to process student visa applications. Taylor's International Office will assist international students in submitting the necessary application for student visa upon approval of their application for admission into the Master's programme and issuance of Letter of Acceptance.

Off-Campus Candidature

Off-campus candidature enables working adults who have access to research facilities in the vicinity of where they work or reside to benefit from the experience of research supervision from the university. Below are the required requirements for off-campus candidature

- Payment of an application fee of RM500.
- Appointment of an external co-supervisor.
- Submission of a Research Meeting Log twice per semester for the University to monitor the research progress.

The application form for off-campus candidature must be submitted to Taylor's Graduate School for processing. The School's Postgraduate Committee will decide on the approval of the application.

English Requirements

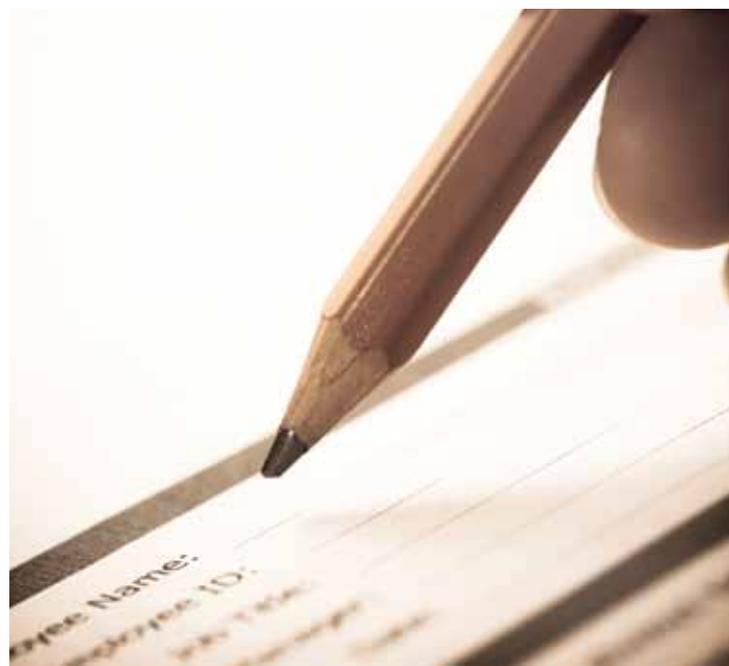
You must include supporting evidence of your English language proficiency if your first language is not English, or if your undergraduate degree was not taught entirely in the English language. The supporting evidence can be fulfilled in one of the following forms base on the approved English requirement by Taylor's University Senate.

- International English Language Test (IELTS)
- Test of English as a Foreign Language (TOEFL)
- Malaysian University English Test (MUET)
- Taylor's Intensive English Programme
- Taylor's English Entrance Test (EET)

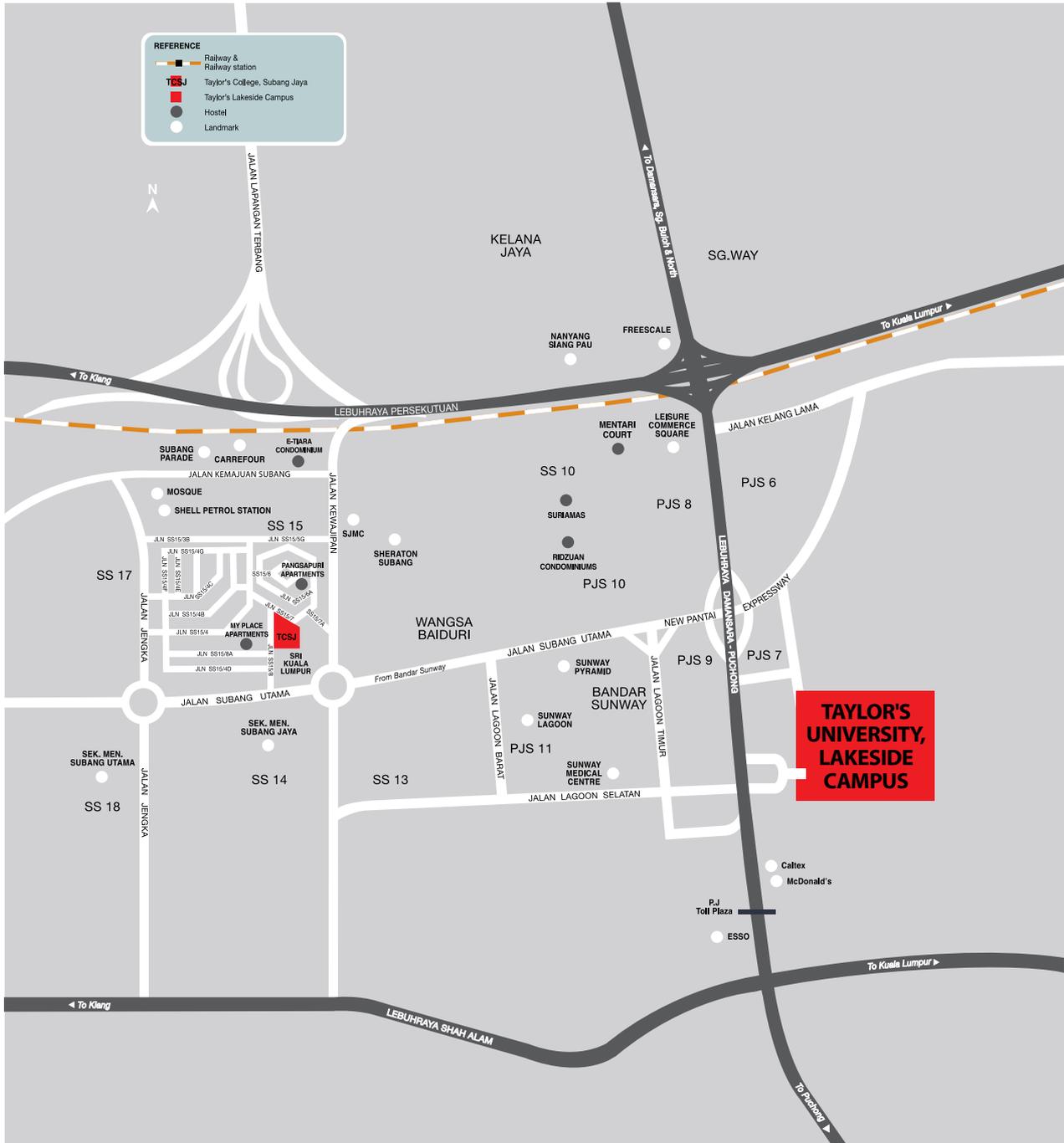
Financial Aid

Taylor's University offers a range of financial aid to support local and international students to succeed in its Postgraduate programmes. Majority of these financial support grants tuition waiver and some may even offer living allowances. These financial supports are awarded on a competitive basis where assessments include academic achievements, leadership qualities, scholastic aptitude, presentation and writing skills. Alignment to Taylor's University's strategic thrust is critical in the award of these financial supports.

Please refer to the Scholarships/Bursaries for Postgraduate Programmes booklet for more information.



MAP TO TAYLOR'S UNIVERSITY LAKESIDE CAMPUS



DISCLAIMER:

The information in this prospectus is correct as of June 2016. Changes in circumstances after this date may alter the accuracy or currency of the information. Taylor's University reserves the right to alter any matter described in this prospectus without notice. Readers are responsible for verifying information that pertains to them by contacting the University.



**TAYLOR'S
UNIVERSITY**
Wisdom · Integrity · Excellence

Taylor's Graduate School

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