



# TAWARAN BIASISWA SKIM TENAGA PENGAJAR MUDA UNIVERSITI TEKNOLOGI MARA TAHUN 2007

Pemohonan adalah dipelawa daripada bumiputera warganegara Malaysia yang dinamis dan ingin membina kerjaya dalam bidang pengajaran dan penyelidikan, serta mempunyai kelayakan yang diperlukan untuk memohon biasiswa di bawah Skim Tenaga Pengajar Muda Universiti Teknologi MARA Tahun 2007 bagi mengikuti kursus-kursus Ijazah Kedoktoran/Profesional/Sarjana dalam bidang-bidang sepertimana yang diiklankan.

## KELAYAKAN MEMOHON

- Calon-calon mestilah mempunyai
  - Ijazah Sarjana Muda dengan Kepujian dan Sarjana yang diiktiraf (untuk permohonan pengajian peringkat Ph.D).
  - Ijazah Sarjana Muda dengan Kepujian dari universiti yang diiktiraf (untuk permohonan pengajian peringkat Sarjana).
- Calon-calon lulusan Sarjana Muda (Kepujian) mestilah memperoleh sekurang-kurangnya Kelas Dua Atas atau CGPA 3.00.
- Bagi kursus-kursus Perubatan dan Pergigian, calon-calon mestilah mempunyai kelulusan Ijazah Perubatan (MBBS/M.D)/Ijazah Pergigian dari universiti yang diiktiraf.
- Mendapat kepujian Bahasa Malaysia di peringkat SPM/MCE.
- Bebas dari ikatan kontrak sama ada dari Kerajaan, Badan-badan Berkanun, Firma atau badan-badan lain.
- Calon-calon mestilah benar-benar berminat dalam bidang pengajaran dan penyelidikan.
- Berumur tidak lebih daripada 30 tahun pada 31 Disember 2006. Bagi kursus Perubatan/Pergigian, calon-calon hendaklah berumur tidak lebih daripada 35 tahun pada 31 Disember 2006.

## CARA-CARA MEMOHON

Borang permohonan boleh dimuat turun (down load) melalui laman web UiTM <http://www.uitm.edu.my> mulai 21 Ogos 2006 dan dikemukakan dalam dua (02) salinan kepada:

Ketua Timbalan Pendaftar  
Jabatan Pembangunan Sumber Manusia  
Pejabat Pendaftar  
Universiti Teknologi MARA  
40450 Shah Alam  
SELANGOR DARUL EHSAN

Sila tandakan 'TPM/UiTM Tahun 2007' dan nyatakan bidang pengkhususan di sudut kiri sampul surat permohonan semasa mengembalikan borang tersebut.

## PERINGATAN

- Pemohon yang berjaya ditawarkan biasiswa dikehendaki mengambil peperiksaan IELTS/TOEFL/GMAT/GRE (yang mana berkenaan) dengan memperoleh skor minima:-
  - Pengajian DALAM Negara:- IELTS 5.0/TOEFL 460(PBT)/TOEFL 140(CBT)
  - Pengajian LUAR Negara:- IELTS 6.5/TOEFL 600(PBT)/TOEFL 240(CBT)
- Pemohon digalakkan membuat persediaan awal dengan berusaha untuk mendapatkan tempat pengajian sendiri di universiti-universiti yang diiktiraf oleh Kerajaan
- Borang-borang permohonan yang tidak lengkap, tidak akan diproses.
- Hanya calon-calon yang telah disenarai tapis sahaja akan dipanggil temuduga.
- Pemohon yang tidak menerima sebarang jawapan selepas enam (6) bulan dari tarikh tutup iklan ini adalah dianggap tidak berjaya.
- Sila berhubung dengan Fakulti berkenaan untuk maklumat lanjut berhubung bidang yang dipohon.

## TAWARAN BIDANG-BIDANG BIASISWA SKIM TENAGA PENGAJAR MUDA (TPM) UiTM TAHUN 2007

### A. FAKULTI SAINS GUNAAN

- Ph.D**
- Soil Science
  - Plant Protection (Entomology/Pathology)
  - Agronomy
  - Agriculture Economy
- SARJANA**
- Analytical Chemistry
  - Physical Chemistry
  - Forensic Chemistry - Toxicology
  - Chemical Technology (Corrosion Chemistry)
  - Food Engineering
  - Polymer Processing & Technology
  - Polymer Synthesis
  - Polymer Analysis & Testing
  - Semiconductor
  - Renewable Energy
  - Apparel Technology
  - Textile Technology
  - Animal Behavior
  - Biophysics
  - Neurobiology
  - Plant Taxonomy
  - Biochemistry
  - Molecular Biology
  - Forensic Biology
  - Chemical Technology (Biofuel)
  - Advanced Furniture Coating Technology
  - CAD/CAM in Furniture Production
  - Theoretical Physics
  - Semiconductor Physics (Fabrication & Packaging)
  - Semiconductor Physics (Device Development)
  - Semiconductor Physics (Process Technology Development)
  - Metal Matrix Composite
  - Casting Technology for Metals & Ceramics
  - Soil Science
  - Agricultural Engineering
  - Plant Protection (Entomology/Pathology)
  - Agronomy
  - Agriculture Economy
  - Wood Science & Technology
  - Marine Technology (Marine Culture - Fish Breeding)
  - Marine Technology
  - Marine Ecology
  - Marine Science
  - Organic Chemistry
  - Inorganic Chemistry
  - Food Biotechnology
  - Food Processing

### B. FAKULTI TEKNOLOGI MAKLUMAT & SAINS KUANTITATIF

- Ph.D**
- Software Design Patterns
  - Virtual Reality
  - Software Metrics
  - Video Retrieval
  - Internet Security
  - Component - Based Software Engineering
  - Program Debugging
  - Design Patterns
  - Speech Recognition & Synthesis
  - Multimedia Computing & Technology
  - Distributed Multimedia
  - Network Computing
  - Network Security
  - Communication Engineering
  - Computer Technology
  - Digital Image & Signal Processing
  - Pervasive Computing
  - Network Design
  - Network Management
  - Microprocessor Technology
  - Robotics
  - Data Mining
  - Scheduling/Logistics Modeling
  - System Dynamics
  - Financial Engineering
  - Simulation
  - Actuarial Science/ Finance
- SARJANA**
- Intelligent Systems
  - Computational Mathematics

- Management Mathematics
- Pure Mathematics
- Industrial Mathematics
- Cryptology
- Fuzzy Mathematics
- Financial Mathematics
- Medical Statistics/Biotechnology
- Statistical Modeling
- Statistical Theory
- Data Mining
- Scheduling/Logistics Modeling
- Financial Engineering
- Actuarial Science/ Finance

### C. FAKULTI SENIBINA, PERANCANGAN & UKUR

- SARJANA**
- Hydrography/Oceanography
  - Industrial Engineering Surveying
  - Satellite Navigation/Positioning
  - Digital/Close Range Photogrammetry
  - Radar Remote Sensing
  - Satellite Image Signal Processing
  - GIS & Urban Planning
  - Architectural Design
  - Digital Architectural/Computer
  - Building Technology
  - Architectural Law
  - Landscape Architecture (Design/Planning/Construction Management)
  - Building Pathology
  - Building Economics
  - Construction Law
  - Construction Procurement
  - Project/Construction Management
  - Construction Economics
  - Property Finance
  - Property Investment
  - Facilities Management
  - Portfolio Management
  - Real Estate Finance/Management
  - Park Management
  - Pharmacoeconomics
  - Forensic Pharmacy
  - Genetic Toxicology
  - Environmental Toxicology
  - Immunotoxicology
  - Pharmaceutical Chemistry : Drug Synthesis
  - Endocrine Pharmacology
  - Cancer Pharmacotherapeutics
  - Pathophysiology
  - Pharmaceutical Chemistry : Combinatorial Chemistry
  - Chemical Analysis
  - Cosmeceuticals
  - Nutraceuticals
  - Phytochemistry
  - Veterinary Pharmacy
  - Marine Biopharmaceuticals
  - Sport Pharmacy

### D. FAKULTI SAINS SUKAN & REKREASI

- SARJANA**
- Exercise Rehabilitation
  - Sport Physiotherapist
  - Health Promotion
  - Therapeutic Recreation
  - Myotherapy
  - Anatomy
  - Sport Dietician
  - Sport Injury
  - Testing & Measurement
  - Exercise Biochemistry
- Ph.D**
- Pathology
  - Pharmacology
  - Biochemistry
  - Microbiology
  - Physiology

### E. FAKULTI PERUBATAN

- Ph.D**
- Pathology
  - Pharmacology
  - Pharmacy Practice
  - Physiology
  - Pharmaceutics
  - Toxicology
  - Pathophysiology
  - Pharmaceutical : Chemistry/Analysis/Bioprocessing/Engineering/Biotechnology
  - Pharmacogenetics
  - Pharmacoinformatics
  - Pharmacy Education
  - Veterinary Pharmacy
  - Sport Pharmacy
  - Cosmetics Pharmacy
  - Pharmacoeconomics
  - Pharmaceutical Technology
  - Radiopharmacy

### G. FAKULTI SAINS KESIHATAN

- Ph.D**
- Medical Physics
  - Optometri
  - Nutrition & Dietetics

### SARJANA

- Oncology/Palliative Care/Pediatric (Nursing)
- Cytology/Hematology (Medical Technology)
- Food Safety (Environmental Health)
- Cardiovascular/CT Application/ Radiography (Medical Imaging)
- Electrotherapy/Musculoskeletal/ Cardio Respiratory/Women's Health (Physiotherapy)
- Hand Injury/Neuro Rehabilitation/ Pediatric (Occupational Therapy)
- Occupational Therapy Foundation
- Anatomy
- Speech Therapy
- Audiology
- Optometri
- Podiatry
- Nutrition & Dietetics

### H. FAKULTI FARMASI

- Ph.D**
- Cardiopharmacology
  - Social Pharmacy
  - Pharmacy Education
  - Toxicology (General & Target Organ Toxicology)
  - Pharmacy Practice
  - Radiopharmacy
  - Physiology
  - Pharmaceutics : Drug Delivery/Physical Pharmacy
  - Pharmacy Management
  - Pharmaceutical Biotechnology
  - Pharmacoinformatics
  - Pharmacognosy
  - Toxicogenomics
  - Pharmacogenomics
  - Evidence - Based Pharmacy Practices
  - Biocomputing
  - Pharmaceutical Bioprocessing
  - Neuropharmacology
  - Pharmaceutical Engineering
  - Neurotoxicology
  - Pharmacoeconomics
  - Forensic Pharmacy
  - Genetic Toxicology
  - Environmental Toxicology
  - Immunotoxicology
  - Pharmaceutical Chemistry : Drug Synthesis
  - Endocrine Pharmacology
  - Cancer Pharmacotherapeutics
  - Pathophysiology
  - Pharmaceutical Chemistry : Combinatorial Chemistry
  - Chemical Analysis
  - Cosmeceuticals
  - Nutraceuticals
  - Phytochemistry
  - Veterinary Pharmacy
  - Marine Biopharmaceuticals
  - Sport Pharmacy

### I. FAKULTI KEJURUTERAAN AWAM

- Ph.D**
- Water Resources : Hydraulics
  - Reservoir Sedimentation
  - Impact & Blast Resistant Structures

- IT in Construction
- Environmental Geotechnique
- Soil Structures Interaction

### SARJANA

- Structural Engineering
- Engineering Construction & Project Management
- Geotechnical Engineering
- Highway & Transportation Engineering

### J. FAKULTI KEJURUTERAAN ELEKTRIK

- Ph.D**
- Analog Mixed Signals
  - Digital IC Design
  - Microelectronics
  - Nanotechnology
  - Electronics Communication
  - Biomedical Electronics/MEMS
  - Consumer Electronics
  - Power Electronics
  - High Voltage
  - Power System
  - Renewable Energy
  - Energy Economics
  - Real Time Embedded System
  - Sensing & Imaging Systems
  - Bioinformatics/Computational Biology
  - Computer/Network Security
  - Video Processing & Communication
  - Broadcasting
  - Satellite Communication
  - RF Design
  - Electromagnetic Compatibility
  - Mixed Signal Analysis
- SARJANA**
- Robotic & Automation
  - Modern Control System
  - Industrial Instrumentation
  - Software Engineering
  - Operating Systems
  - Database Systems/Data Mining/Data & Knowledge Management
  - Wireless Sensor Network

### K. FAKULTI KEJURUTERAAN KIMIA

- Ph.D**
- Petrochemical Processing
  - Palm Oleochemical Processing
  - Pharmaceutical Process Engineering
  - Bio - Engineering
  - Incineration Engineering
  - Advanced Reactor Design & Engineering
  - Chemical Process System Engineering
  - Chemical Engineering Software Development
  - Catalysis & Catalytic Engineering
  - Formulation Engineering

### L. FAKULTI KEJURUTERAAN MEKANIKAL

- Ph.D**
- Thermofluids (Automotive/Internal Combustion Engine)
  - Engineering Mechanics (Fatigue/Vibration)
  - Manufacturing (Production & Manufacturing Management/CAD/CAM)
- SARJANA**
- Thermofluids (Automotive / Internal Combustion Engine / Fluid Mechanics/ Vehicle Aerodynamic / Renewal Energy)
  - Engineering Mechanics (Dynamics/Control/ Fracture Mechanics/Finite Element Method)
  - Manufacturing (CAD/CAM/Process/Metrology)
  - Aerospace (Propulsion/Turbo Machinery/Advanced Material/Traffic Control Management)
  - Engineering Mechanics (Naval Engineering/ Naval Architecture/ Bio-Mechanics)

### M. FAKULTI UNDANG-UNDANG

- Ph.D/SARJANA**
- Criminal & Civil Law
  - International Law
  - Intellectual Property
  - Corporate Law
  - Commercial Law
- N. FAKULTI KOMUNIKASI & PENGAJIAN MEDIA**
- SARJANA**
- Kewartawanan : Economics & Business Reporting/Journalism/Interpretation Of Science & Technology/Broadcasting Journalism
  - Perhubungan Awam: Strategic Public Relations/ Public Relations & New Media/Public Relations
  - Periklanan: On-Line Interactive Advertising/Strategic Communication
  - Penerbitan : Media Design & Web Publishing
  - Penyiaran : Animation & Visual Arts/Radio & Television Broadcasting/International Broadcasting

### O. FAKULTI SAINS PENTADBIRAN & PENGAJIAN POLISI

- Ph.D**
- Sains Politik
  - Pentadbiran Awam
  - Public Policy
  - Pentadbiran Korporat
- SARJANA**
- Sains Politik
  - Pentadbiran Awam
  - Corporate Administration/Governance

### P. FAKULTI SENI LUKIS & SENI REKA

- Ph.D**
- Art History & Cultural Management
  - Visscom & New Media
  - Fine Art & Technology
  - Design Technology
- SARJANA**
- Art History & Cultural Management
  - Visscom & New Media: Fotografi & Pengejaian Kreatif/ Seni Reka Grafik & Media Digital/ Teknologi Peretakan/ New Media
  - Fine Art & Technology: Printmaking/ Sculpture/ Painting/ Drawing
  - Design Technology: Seni Reka Perindustrian/Product Design/Transport/Furniture/Seni Reka Fesyen/ Seni Reka Tekstil/ Seni Reka Logam Halus

### Q. FAKULTI PENDIDIKAN

- Ph.D/SARJANA**
- Special Education/Gifted & Talented Education
  - Corpus Linguistics
  - Global Literacy
  - Multicultural Counselling
  - Management of Higher Education
  - e-Learning Education
  - Management of Health Education
  - Testing & Evaluation in Physical Education/ Performance Testing
  - Museum & Gallery Education
  - Art Therapy
  - Design & Technology Education
  - TESL
  - Psychology

### R. FAKULTI TEKNOLOGI KREATIF & ARTISTIK

- Ph.D**
- Directing
- SARJANA**
- Directing
  - Film Business
  - Production Management
  - Theatre Technical
  - Theory & Theatre Criticism
  - Art Management
  - Costume & Make-up
  - Physical Theatre & Modern/Traditional Dance
  - Music (Composition/Performance/Technology/ Industry/Ethnomusicology/ Musicology)

### S. FAKULTI PERAKAUNAN

- Ph.D**
- Forensic Accounting/ Financial Criminology : Financial Statement Fraud/ Computerised Accounting Fraud
  - Audit & Investigation/Audit Assurance: Information System Audit/Applied Audit
  - Islamic Accounting & Finance
  - Risk Management
  - International Accounting
  - Corporate Governance/Ethics
  - Public Sector Accounting
  - Accounting Information System : Applied AIS Enterprise Resource Planning
  - Financial Reporting (FA) : Fair Value Accounting/ IFRS Convergence/ Corporate Social Accounting/ Sustainability & Environmental Accounting
  - Management Accounting
  - Finance: Dividend Policy & Performance/ Capital Structure & Performance
  - Taxation & Tax Planning
  - Integrity System
  - Intellectual Capital
  - Accounting for Specialised Industries: Hotel Accounting/Sustainability/Unit Trust/ Agro Accounting/Petroleum Accounting/ Gas Accounting
  - Interdisciplinary Studies in Accounting: Accounting Education/Law & Accounting/ Management Accounting & Engineering
- SARJANA & PROFESIONAL**
- CIMA (Chartered Institute of Management Accountants)
  - ACCA (Association of Chartered Certified Accountants)
  - CPA (Australia)
  - MICPA

### T. FAKULTI PENGURUSAN PERNIAGAAN

- Ph.D/SARJANA**
- Ekonomi
  - Pengurusan
  - Insurans
  - Kewangan
  - Pemasaran
  - Pengurusan Sumber Manusia
  - Pengurusan Operasi
  - Pengurusan Peruncian
  - Perniagaan Antarabangsa
  - Perbankan Islam
  - Pengangkutan
  - Keusahawanan

### U. PENGURUSAN HOTEL & PELANCONGAN

- SARJANA**
- Sustainable/Urban/Health/Heritage/ Island/Rural Tourism
  - Tourism : Management/Policy
  - Food Safety Management
  - Foodservice : System & Operation/Design & Layout/Nutrition/Technology/ Gastronomy/ Law/Information Technology
  - Food Science
  - Food Retail Management
  - Consumer Behavior
  - Finance
  - Operations Management
  - Facilities Management, Planning & Design
  - Hospitality Technology (MIS & eCommerce)
  - Hotel Management : Front Office/Food & Beverage/Housekeeping
  - Technology & Planning: Facilities Planning Design/Food Business & Technology
  - Food Production: Innovation/Food Crisis Management/Meat Processing/Food Critics & Writing/Food Styling
  - Food Retailing: Menu Analysis & Development/Packaging & Design/ Menu Recipe & Development
  - Gastronomy & Anthropology
- V. FAKULTI PENGURUSAN & TEKNOLOGI PEJABAT**
- SARJANA**
- Health Service/Administration
  - Management of Information Technology/ Systems
  - Office Systems Management