

Internationalised Master Degree Education in Nanoelectronics in Asian Universities



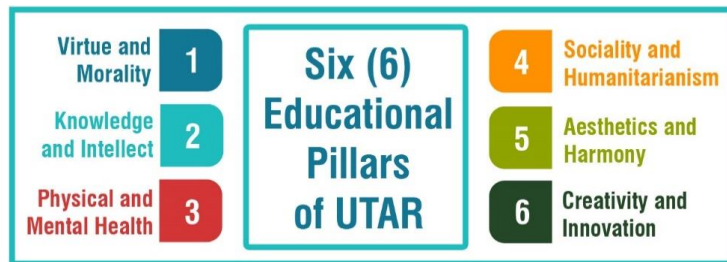
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Inspire@Learning offers Massive Open Online Course (MOOC) and webinars conducted by UTAR. MOOC aimed at meeting the needs of specific skills, competencies or even new knowledge requires by the learners. It is offer as non-exam mode.



Micro-Credential Course (MCC) is for individuals who are interested to take academic courses in examination mode without registering for a degree programme. It is offered in three modes which are the physical, blended and online modes.



Part-Time Honours Degree Programmes (PTD) are tailored for those who wish to earn recognized qualification to achieve work or lifelong learning goals without having to compromise on their job commitments or other responsibilities.



Non-Graduating Course (NGC) is for individuals who are interested to take academic courses without registering on a degree programme for professional and/or personal gain. It is offered in a non-examination mode. The course is conducted physically at campus.



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The Team

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Courses Developed by Universiti Tunku Abdul Rahman

1. Carbon Nano Tubes and Applications
2. Graphene Nanoelectronics: From synthesis to device applications



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Courses outcomes

Carbon Nano Tubes and Applications

Upon completion of this course, the student will be able to

1. Describe Nano diamond particles and diamond like carbon films.
2. Illustrate the synthesis of carbon nanotubes
3. Analyze the properties of carbon nanotubes
4. Illustrate the applications carbon Nano tubes



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Courses outcomes

Graphene Nanoelectronics: From synthesis to device applications

Upon completion of this course, the student will be able to

1. Develop a broad understanding of graphene and application in devices
2. Evaluate the various chemical and non-chemical approach in production of graphene
3. Examine graphene structures through various characterization tools
4. Compare and contrast the properties of graphene and graphene nanoribbons
5. Relate graphene structure with the performance of devices



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Equipment Capacity Added

1. 4k Video Camera
2. Apple iMacs with video editing software
3. Microsoft Surface Pro for presentations
4. Wacom drawing pads
5. Televisions with webcams
6. Projector



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*Thank
you*

