

BSE (Ortho)/CBO Part 1 Preparatory Course: Biomaterials and Biomechanics

Limited to 30 participants

Registration fee for participant: RM250

Date: 9 am – 5pm, Thursday, April 6th, 2017

Venue: Datin Ragayah lecture hall, National Orthopaedic Centre of Excellence in Research and Learning (NOCERAL), Faculty of Medicine, University of Malaya, 50603 Kuala Lumpur, Malaysia

Objective: This course introduces students to

- Concepts of mechanics as they apply to human movement,
- The student should gain advanced knowledge and analysing skills on the mechanical and anatomical principles that govern human motion and
- Develop the ability to link the structure of the human body with its function from a mechanical perspective.
- The course also introduces students to a spectrum of materials used in biomedical engineering, biological-biomaterials interactions, host responses, and materials evaluations.

Course Content: Lectures

| Course content | Assigned person | Time |
|--|--|---------------|
| Session 1: Biomaterials: Type of Material; Mechanism of material failure | To be confirmed | 9 – 10.45 am |
| Light refreshment | | 10.45 – 11 am |
| Session 2: Biomaterials: Material properties | Dr Rukhmanikanthan AL Shanmugam (University of Malaya) | 11 – 1 pm |
| Lunch | | 1 - 2 pm |
| Session 3: Biomechanics: Kinetic and Kinematic | Prof Dr Tunku Kamarul Zaman (University of Malaya) | 2 – 3.30 pm |
| Session 4: Biomechanics: Biomechanics of Musculoskeletal Tissues | Prof Dr Tunku Kamarul Zaman (University of Malaya) | 3.30 - 5 pm |

Registration Form

Registration closing date : 3rd April 2017 (Monday)

Please complete the confirmation attendant below:

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| Name: Prof. / Dr. / Mr. / Ms.: | |
| Name of your University / Institution / Company: | |
| Department: | |
| Address: | |
| Postal Code: | |
| City: | |
| Country: | |
| Email: | |
| Phone: | |
| Mobile No: | |

Payment Method :

1. Cheque, electronic telegraphic transfer, online transfer, bank draft:

Maybank Islamic, account name: Yayasan Ortopedik, account number: 564351504180

2. Internal grant transfer (University of Malaya):

Account name: Tabung NOCERAL (WBS No: UM.0000169/KWJ.AK)

Registration & Enquiries :

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|---|---|
| For registration, please email to : | For enquiries, please email to : |
| Ms Rabiatul Adawiyah Othman Email: rabiatul_adawiyah@um.edu.my | Dr. Chong Pan Pan Email: pan2chong@gmail.com |

Organised by:

National Orthopaedic Centre of Excellence in Research and Learning (NOCERAL), Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, 50603 Kuala Lumpur, Malaysia