

**Malaysian Universities Conjoint Committee of Ophthalmology**  
**The 4th Ophthalmology Basic Science Examination (MedEx) Preparatory Course 2021**  
**29<sup>th</sup> – 31<sup>st</sup> March 2021, University of Malaya**

<b>Time / Date</b>	<b>Monday (29 March 2021)</b>	<b>Tuesday (30 March 2021)</b>	<b>Wednesday (31 March 2021)</b>
08:30 – 09:30	<b>PHYSIOLOGY</b> - Homeostasis - Metabolic response - Acid-base balance / metabolism A/P Dr Naguib Salleh Dept. of Physiology, UM	<b>ANATOMY</b> - Head & Neck (Anatomy & Embryology)  Profesor Dr Murali Naidu, Dept. of Anatomy, UM	<b>PATHOLOGY</b> - Vascular disorder - Shock & trauma  Dr Nur Asyilla Dept of Pathology, USM
09:30 – 10:30	<b>PHYSIOLOGY</b> - Respiratory system - Renal  A/P Dr Naguib Salleh Dept. of Physiology, UM	<b>ANATOMY</b> - Cranial cavity - Central nervous system  Profesor Dr Murali Naidu, Dept. of Anatomy, UM	<b>PATHOLOGY</b> - Inflammation - Disturbance of growth - Degeneration - Aging - Neoplasia Dr Wan Faiziah Dept of Pathology, USM
10:30 – 11:00	<b>TEA BREAK</b>		
11:00 – 12:00	<b>GENETICS</b> - Chromosomes & cell division - Inheritance - Gene mutation - Oncogenes, Principle of gene therapy Dr Thamir Selvee Ramasamy Dept. of Molecular Medicine, UM	<b>PHYSIOLOGY</b> - Nerve & muscle - Autonomic nervous system - Central nervous system - Special senses  Dr Kumar Seluakumar Dept. of Physiology, UM	<b>PHARMACOLOGY</b> - Anti-inflammatory - Antibacterial and antifungal agents  A/P Dr Mohammed Abdullah Mahdi Alshawsh Dept. of Pharmacology, UM
12:00 – 13:00	<b>MOLECULAR &amp; CELL BIOLOGY</b> - Cell organelles - Receptor physiology - Extracellular matrix Dr Muhammad Fazril Mohamad Razif Dept. of Molecular Medicine, UM	<b>PHYSIOLOGY</b> - Blood - Cardiovascular system - Endocrinology  Profesor Dr Ruby Husain Dept. of Physiology, UM	<b>PHARMACOLOGY</b> - Pharmacodynamics and mechanism of drug toxicity  Dr Ajantha A/P Sinniah Dept. of Pharmacology, UM
13:00 – 14:00	<b>LUNCH BREAK</b>		
14:00 – 15:00	<b>IMMUNOLOGY</b> - Humoral & cellular immunity - Immune mechanisms of tissue damage  Dr Jaime Jacqueline Jayapalan Dept. of Molecular Medicine, UM	<b>IMMUNOLOGY</b> - Immunodeficiency - Immunosuppression - Organ transplantation & rejection A/P Dr Wong Won Fen Dept. of Medical Microbiology, UM	<b>Feedback MCQ</b>  <b>Tips for Passing MCQ</b>
15:00 – 16:00	<b>MICROBIOLOGY</b> - Principle of virus infection - HIV & AIDS  Dr Tee Kok Keng Dept. of Medical Microbiology, UM	<b>MICROBIOLOGY</b> - Bacteria - Fungi - Unicellular organisms - Culture media A/P Dr Nadia Atiya Dept. of Medical Microbiology, UM	