



**Malaysian Universities  
Conjoint Committee  
of Ophthalmology  
PREPARATORY COURSE FOR**

**MedEx**



**OPHTHALMOLOGY**

**Platform:** Online via Cisco Webex Application  
(link will be sent to registered participants)

**Dates:** 25 - 27 October 2022

**Course fee:** RM500 (Persatuan I-Oftalmologi Kelantan)

**Bank:** Bank Muamalat (03010006174712)

**Registration:** Online registration at :  
<https://forms.gle/Pv9q88Xx38speAYX7>

**Organizer:** Department of Ophthalmology and Visual Science  
School of Medical Sciences  
UNIVERSITI SAINS MALAYSIA

**Closing date:** 20 October 2022

**Malaysian Universities Conjoint Committee of Ophthalmology  
Preparatory Course for MedEx (Ophthalmology), USM, Kelantan**

Time / Date	Tuesday (25 Oct 2022)	Wednesday (26 Oct 2022)	Thursday (27 Oct 2022)
8.45 – 9.00 a.m.	<b>Welcome Speech</b> <i>(DR SHAHIDATUL ADHA MOHAMAD)</i>		
9.00 – 10.00 a.m.	<b>Anatomy</b> - Embryology and anatomy of head  <i>(AP DR ZUL IZHAR MOHD ISMAIL)</i>	<b>Anatomy</b> - Embryology and anatomy of neck  <i>(AP DR ZUL IZHAR MOHD ISMAIL)</i>	<b>Anatomy</b> - Brain - Spine & Spinal Cord  <i>(AP DR MOHD ASNIZAM ASARI)</i>
10.15 – 11.15 a.m.	<b>Chempath</b> - Acid-base balance / metabolism - Metabolic response - Fluid and Electrolyte  <i>(DR WAN NORLINA WAN AZMAN)</i>	<b>Physiology</b> Nervous System - Overview of Nervous System - Sensory and Motor Systems - Autonomic Nervous System - Special senses  <i>(DR NAZLAHSHANIZA SHAFIN )</i>	<b>Pathology</b> - Inflammation - Neoplasia - Growth Disturbances - Degeneration - Aging  <i>(DR WAN FAIZIAH WAN ABDUL RAHMAN)</i>
11.30 – 12.30 p.m.	<b>Pathology</b> - Vascular disorder - Shock & trauma  <i>(DR NUR ASYILLA CHE JALIL)</i>	<b>Physiology</b> - Cardiovascular system - Respiratory system  <i>(AP DR RAHIMAH ZAKARIA)</i>	<b>Physiology</b> - Renal Physiology - Endocrinology  <i>(DR ROZAZIANA AHMAD)</i>
12.30 – 2.00 p.m.	<b>Lunch Break</b>		
2.00 – 3.00 p.m.	<b>Immunology</b> - Humoral & cellular immunity - Immune mechanisms of tissue damage  <i>(AP DR WONG KAH KENG)</i>	<b>Immunology</b> - Immunodeficiency - Immunosuppression <i>(DR NOOR SURYAN MOHD ASHARI)</i>  - Organ transplantation & rejection <i>(DR NURUL KHAIZA YAHYA)</i>	<b>Genetics</b> - Chromosomes & cell division - Inheritance - Genes mutation - Oncogens and Tumor Suppressor Genes - Principles of Gene Therapy  <i>(DR MARAHAINI MUSA)</i>
3.15 – 4.15 p.m.	<b>Microbiology</b> - Virus, Bacteria - Fungus, Helminth, - Protozoa, HIV & AIDS  <i>(PROF. HABSAH HASAN)</i>	<b>Microbiology</b> - Principle of infection and Antimicrobial Therapy - Culture media  <i>(PROF. ZAKUAN ZAINY DERIS)</i>	<b>Pharmacology</b> - Antiinflammatory agents - Anti-infective agents  <i>(DR LOW JEN HOU)</i>
4.15 – 4.30 p.m.		<b>Tips for Multiple True False Question</b>  <i>(PROF. MOHTAR IBRAHIM)</i>	<b>Criteria for MMed (Ophthalmology) Intake</b> Closing Remarks <i>(PROF. SHATRIAH ISMAIL)</i>

Topics	Preparatory Course	MedEx (Ophthalmology)
Anatomy	3 lectures	15 questions
Physiology	4 lectures	15 questions
Pathology	2 lectures	10 questions
Immunology	2 lectures	5 questions
Microbiology	2 lectures	5 questions
Pharmacology	1 lecture	5 questions
Genetics	1 lecture	5 questions
<b>Total</b>	<b>15 lectures / hours</b>	<b>50 questions</b>

### Important informations

- The Medical Specialist Pre-Entrance Examination (MedEx) for entry into the Malaysian Universities Master Programme in Ophthalmology
- The examination is jointly organized by the Malaysian Universities Conjoint Committee of Ophthalmology, College of Ophthalmologists, Academy of Medicine of Malaysia and Malaysian Examinations Council.
- There will be two examinations yearly (subject to the schedule by Malaysian Examinations Council). Results will be released within four weeks of the examination date. Application forms will be made available online at the Medical Specialist Pre-Entrance Examination website (<http://apps.mpm.edu.my/medex/public/register>).
- Results will be released in the form of bands, i.e. Band 4, 5 and 6 are pass marks. Band 1, 2 and 3 are considered fail.
- An examination fee of RM 800 payable to the Malaysian Examination Council shall apply
- A pass grade in this examination will add significantly to the credibility of candidates applying for a place in the Masters Programme of the various universities in Malaysia
- The examination will consist of one Multiple Choice Question (Multiple True False Question) paper with 60 questions over two hours. There will be negative marking of the MCQ's