



PARTNERS ACADEMIC SUMMER SCHOOL 2024

Syllabus for Medicine

Subject Area

This syllabus is for PARTNERS applicants seeking to progress to the degrees of:

- Medicine A100
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Aims

To allow students to demonstrate their potential to succeed in specified degree programmes by showing a grasp of entry-level subject-specific knowledge, understanding, cognitive and subject-specific skills.

Learning Outcomes

A good knowledge and understanding of ...

- Describe the anatomical position
- Define key anatomical terms and planes
- Identify the main regions and systems of the body
- Describe the boundaries and contents of the thorax
- Describe the different components of the respiratory system and their function
- Describe and identify the basic anatomy of the respiratory tract and lungs
- Describe and identify the structures that make up the thoracic cage
- Describe and identify the muscles of respiration
- Describe and identify the anatomy of the pleura
- Describe how expansion of the thorax causes expansion of the lungs
- Describe the sequence of events in the respiratory cycle
- Describe which respiratory muscles are active during inspiration and expiration

- Explain how pneumothorax and haemothorax affect ventilation
- Describe the relevance of ethics in medicine
- Describe how to take a focused history from a person presenting with symptoms suggestive of respiratory disease
- Describe how to correctly use a stethoscope
- Describe how to perform a basic examination of the respiratory system and the lungs with the use of inspection, palpation, percussion, and auscultation
- Describe how to apply appropriate infection prevention control measures when examining a patient
- Describe how to communicate sensitively and clearly using an ethical approach when examining a patient
- Describe how to gain appropriate consent from a patient
- Describe the risk factors, pathogenesis, and clinical features of different common respiratory diseases
- Describe the principles and clinical use of different imaging techniques in clinical radiology

The ability to apply this knowledge and critical understanding to...

- Critically evaluate ethical and legal issues
- Apply understanding of gross anatomy of the thorax to interpret clinical images
- Apply understanding of gross anatomy of the thorax to cadaveric images and specimens
- Apply the principles of clinical reasoning in formulating a differential diagnosis between the different presentations of respiratory disease

Competence in...

- Professional behaviour in clinical environments
 - Communication skills - An overview of how to undertake an effective clinical history from a patient with suggestive respiratory disease
 - Clinical skills - An overview of how to perform a basic examination of the respiratory system in relation to inspection, palpation, percussion and auscultation
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Summer School Syllabus

Monday 1st July 9-11 am - Familiarise yourself with Canvas and read through the resources before the Case Launch (Asynchronous Canvas)

Monday 1st July 11 am-12 noon - Case Launch Lecture (Live Zoom)

Monday 1st July 2-4 pm - Anatomy of the Respiratory System (Asynchronous Canvas)

Monday 1st July 1-2pm - Anatomy Q&A (Live Zoom)

Tuesday 2nd July 9-10 am - Physiology of Respiration (Asynchronous Canvas)

Tuesday 2nd July 11 am-12 noon - Physiology Quiz (Live Zoom)

Tuesday 2nd July 1-2pm - Ethics Lecture (Live Zoom)

Tuesday 2nd July 2-3 pm - History Taking (Asynchronous Canvas)

Tuesday 2nd July 3-5 pm - Clinical Skills (Asynchronous Canvas)

Thursday 4th July 9-10 am - Academic Community Seminar

Thursday 4th July 10-11am - Pathology lecture

Thursday 4th July 11 am-12 noon - History Taking and Clinical Skills Prep

Thursday 4th July 1-5 pm - Rotation around three activities - Clinical Skills Practical (Clinical Skills Laboratory), History Taking Seminar, Being a Medical Student Q&A (SAIL)

Friday 6th July 9 am - 1 pm - Rotation around three activities - Anatomy Practical , Imaging, Assessment Q&A

Friday 6th July 2-3pm - Clinical Reasoning Lecture

Friday 6th July 3-4pm - Case Round Up Lecture

The timetable and group allocations for rotations will be posted on Canvas and students will be given a walk-through of the timetable in the Case Launch lecture on the first day. This will include an explanation of which group you are in for activities with rotations.

Activities for Personal Study

Recommended reading:

- Asynchronous resources on canvas (Induction materials, Anatomy, Physiology, History Taking and Clinical Skills)
 - Gray's Anatomy for Students, 5th Edition, Drake
 - Medical Physiology, 3rd Edition, Boron
 - Kumar and Clarks Clinical Medicine, 10th Edition, Feather, Randall & Waterhouse
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Online Teaching:

Monday 1st , Tuesday 2nd July

On-Campus Teaching:

Wednesday 3rd (PM), Thursday 4th & Friday 5th July

Formative Assessment Details

Students will be required to complete two pieces of formative assessment:

-1 hour Single Best Answer examination

-100-150 word reflection on their communication skill (history taking) practice

Hand-in Method

Digitally

Assessment deadline

The exam will open at 5 pm on Friday 5th July. Students will have 1 week to complete all assessments. The deadline will be 5 pm Friday 12th July..