

Discover Medicine Academy Course Outline

Class	Class Content and Lesson Objectives
<p>1</p>	<p>Introduction to the course <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Get to know each other and understand what to expect from the course ● Set norms and values for the course ● Understand their overall task for the course <p>Fundamentals of Medicine <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Understand the principles of how medicines are prescribed and administered ● Learn about ways medications work in the body to treat disease ● Recognise the limitations and complications of medication
<p>2</p>	<p>Fundamentals of the Heart <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Recognise common and/or interesting conditions affecting the cardiovascular system and consider how these might be treated ● Recap cardiovascular examinations
<p>3</p>	<p>Heart & Disease: <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Find out about how the heart's system can fail in disease, and current medical and surgical techniques to treat heart disease
<p>4</p>	<p>Learn Clinical Skills <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Outline a variety of routine clinical skills ● Review anatomy of heart and practise basic dissection skills
<p>5</p>	<p>Discover Surgery <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Understand indications for surgical intervention ● Learn about the World Health Organisation checklist for safe surgery ● Learn how to wash hands to "scrub in" for surgery ● Role play informing a patient about an operation and seeking informed consent
<p>6</p>	<p>The Nervous System <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Get an overview of the nervous system including the brains, nerves and how it all works together
<p>7</p>	<p>Medical Research & Ethics <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Run a mini clinical trial to learn about how medical research is designed and developed ● Discuss real clinical cases as an introduction to medical ethics

8	<p>The Future of Medicine <i>Students will be able to:</i></p> <ul style="list-style-type: none"> • Discover recent and future advances in medicine which will shape their future careers and international healthcare
X	<p>Class X:</p> <p>The final class is based on the tutor's personal expertise in the field, focusing on cutting-edge research that they're passionate about.</p>
	<p>CHALLENGE</p> <p>Students will be given the chance to put their skills to the test during our Mock Clinic Challenge at the John Radcliffe Hospital (subject to availability).</p> <p><i>Students will be able to:</i></p> <ul style="list-style-type: none"> • Meet real patients with a variety of chronic medical conditions, and speak to them about their symptoms. • Apply what they've learned in their classes and, using their resourcefulness and knowledge, present a patient to the doctor. • Discuss with the Doctor how the patient's care can be improved

Please note, this course outline may be subject to change