

## Queen Mary Summer School

Surgical Skills and Science

*Barts and The London School of Medicine and Dentistry*

### Course outline

Level: 7

Credits: 15 (Queen Mary credits)

Course leader: Professor Bijendra Patel ([b.patel@qmul.ac.uk](mailto:b.patel@qmul.ac.uk))

Assessment: Oral Presentation (50%) and Practical Skills Test (50%)

### Course description:

The Queen Mary's Surgical Skills & Science Summer School is designed for students who aim to follow a career in surgery, or allied healthcare professionals who need to acquire basic surgical techniques. Combining traditional teaching with hands-on practice and simulation, the course aims to deliver comprehensive training on basic surgical skills, as well as introduce fundamental research methodology. Experienced and approachable instructors will allow participants to learn and practise in a safe and friendly environment. The on-site laparoscopic surgery training facilities will provide a unique immersive experience into simulation-based learning, ranging from 3D trainer boxes to the use of virtual reality. To ensure a genuine hands-on experience, animal tissue will be used to enhance the participants' experience and consolidate their learning.

### Learning outcomes:

By studying this course, you will learn to:

#### Academic content

- Understand and explain the discipline and principles guiding surgery
- Understand and demonstrate basic surgical techniques
- Understand and demonstrate laparoscopic surgical techniques
- Understand and explain non-surgical aspects of surgical procedures

#### Disciplinary skills

- Demonstrate surgical skills in suturing including knot tying
- Demonstrate how to set up laparoscopic equipment
- Understand and explain the uses of various surgical instruments
- Critical analysis of surgical literature

#### Attributes

- Understand and explain the discipline of surgery for doctors who would like to embark on a surgical career
- Understanding and interpretation of surgical research
- Appreciation and understanding of personal development in surgical techniques
- Appreciation and understanding of personal development in non-surgical aspects
- Hone communication skills
- Psychological preparation for surgery

### Approximate cost:

All reading material is provided digitally so you are not required to purchase any books.

### Assessments:

The course assessments are not compulsory, however, if you wish to transfer credit for this course to your home university it is essential to complete the assignments.

Oral Presentation (50%) and Practical Skills Test (50%)

**Preparation:**

Before you arrive on campus, it is advised that you familiarise yourself with the course content before it begins. You will be given instructions for accessing our Virtual Learning Environment (QMplus) before you arrive on campus.

**Teaching:**

The course is taught in two two-hour sessions per day (10.00 - 12.00 and 13.00 - 15.00), held Monday to Thursday each week.

Please note that the information provided may be subject to change.

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