

**REGULATIONS FOR THE DEGREES OF  
BACHELOR OF MEDICINE AND BACHELOR OF SURGERY  
(MBBS)**

*These regulations are applicable to candidates admitted to the MBBS degrees under the 6-year MBBS programme in the 2016-2017 academic year.*

*(See also General Regulations and Regulations for First Degree Curricula)*

**Admission to the MBBS degrees**

- M1** Candidates for admission to courses in the Faculty of Medicine must adduce evidence satisfactory to the Board of the Faculty of Medicine of their ability to understand and profit from the course they propose to follow.
- M2** To be eligible for admission to the MBBS degrees, candidates shall
- (a) comply with the *General Regulations*;
  - (b) comply with the *Regulations for First Degree Curricula*; and
  - (c) complete all the requirements of the curriculum in accordance with these regulations and the syllabuses and satisfy the examiners in the First, Second, Third, Fourth and Final Summative Assessments.

**Period of study**

- M3** The curriculum for the MBBS degrees shall normally require twelve semesters of full-time study and such intervening vacations as may be prescribed, extending over not fewer than six academic years, and shall include five summative assessments, the First, Second, Third, Fourth and Final Summative Assessments, each conducted annually, and other class tests as prescribed in the regulations as set out below. Candidates shall not in any case be permitted to extend their studies beyond the maximum period of registration of nine academic years.

**Selection of courses**

- M4** Candidates shall select the Common Core courses in accordance with these regulations and the guidelines specified in the syllabuses. Changes to the selection of the Common Core courses may be made only during the add/drop period of the semester in which the course begins, and such changes shall not be reflected in the transcript of the candidate. Requests for changes after the designated add/drop period of the semester shall not normally be considered, unless under exceptional circumstances supported by the Director of Common Core Curriculum.
- M5** Withdrawal from courses beyond the designated add/drop period will not be considered.

**Curriculum requirements**

- M6** To complete the curriculum, candidates shall
- (a) successfully complete 36 credits of courses in the Common Core Curriculum (or equivalent), comprising at least one and not more than two courses from each Area of Inquiry with not more than 24 credits of courses being selected within one academic year, before the end of the third year of study, except where candidates are required to make up for failed credits;
  - (b) successfully complete the courses in English language enhancement which are equivalent

- to 12 credits, including 6 credits in Core University English<sup>1</sup> and 6 credits in an English-in-the-Discipline course;
- (c) successfully complete 6 credits in Chinese language enhancement<sup>2</sup>;
  - (d) successfully complete each year of the curriculum as set out in these regulations, including the Specialty Clerkship during the fifth and the sixth years as the capstone experience; and
  - (e) successfully complete any other non-credit bearing courses as required.
- M7** To complete the first year of the curriculum, a candidate shall
- (a) follow instruction in the Introduction to the Art and Science of Medicine Course and the integrated system-based course covering the cardiopulmonary and renal systems;
  - (b) successfully complete the Core University English Course and at least one Common Core course; and
  - (c) satisfy the examiners at the First Summative Assessment, by producing evidence of satisfactory participation and performance in tutorials, medical humanities and clinical skills sessions and by satisfactory completion of written and practical examinations comprising the themes of biological, behavioural, population and clinical sciences. The Year 1 Examination shall be held annually in May of the first year of the curriculum and its re-examination in July/August of the same year.
- M8** To complete the second year of the curriculum, a candidate shall
- (a) follow instruction in the integrated system-based course covering the gastrointestinal system, musculoskeletal system, head, neck and nervous system, haematology and immunology system, and endocrine and reproductive systems;
  - (b) successfully complete at least one Common Core course and the Chinese Language Enhancement Course; and
  - (c) satisfy the examiners at the Second Summative Assessment, by producing evidence of satisfactory participation and performance in tutorials, medical humanities, clinical skills, clinical visits and clinical interpersonal skills sessions, and by satisfactory completion of written and practical examinations comprising the themes of biological, behavioural, population and clinical sciences. The Year 2 Examination shall be held annually in May of the second year of the curriculum and its re-examination in July/August of the same year.
- M9** To complete the third year of the curriculum, a candidate shall satisfy the examiners at the Third Summative Assessment by successful completion of the following:
- (a) all prescribed component(s)/prerequisites of all the respective Enrichment Year (EY) activities, if any;
  - (b) all EY activities with a full demonstration of professionalism pertaining to all EY activities;
  - (c) credit-bearing courses/intercalated degree requirements offered by individual institutions and/or academic output (such as professional writing, literature review and report, as appropriate); submission of an electronic poster for presentation at the Enrichment Year Gala Day;
  - (d) connect\*ed including participation in online activities and submission and presentation of team impact project at the Enrichment Year Gala Day or similar event; and
  - (e) remaining Common Core courses to fulfil the graduation requirement specified in UG5(c) of the *Regulations for First Degree Curricula*, subject to the requirement that at least half of the 36 credits stipulated in UG5(c) must be completed by taking Common Core courses

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<sup>1</sup> Candidates who have achieved Level 5\*\* in English Language in the Hong Kong Diploma of Secondary Education Examination, or equivalent, may at the discretion of the Faculty be exempted from this requirement and should take an elective course in lieu.

<sup>2</sup> Candidates who have not studied the Chinese language during their secondary education or who have not attained the requisite level of competence in the Chinese language to take CEMD9006 Practical Chinese for MBBS Students can apply to the Faculty to take CEMD9007 Functional Chinese for MBBS Students.

offered by the University.

- M10** To complete the fourth year of the curriculum, a candidate shall
- (a) follow instruction in an Integrated Block and a Clinical Clerkship Course covering the common clinical problems;
  - (b) successfully complete the English-in-the-Discipline Course; and
  - (c) satisfy the examiners at the Fourth Summative Assessment, by producing evidence of satisfactory participation and performance in tutorials, medical humanities and clinical sessions, and by satisfactory completion of written and practical examinations comprising the themes of biological, behavioural, population and clinical sciences. The Year 4 Examination shall be held annually in May of the fourth year of the curriculum and its re-examination in June/July of the same year.
- M11** To complete the fifth and sixth years of the curriculum, a candidate shall
- (a) follow instruction in a range of clinical disciplines, both hospital- and community-based;
  - (b) complete in a satisfactory manner such class tests as may be prescribed by departments or units contributing to the teaching included in the curriculum, and the 4-week MBBS Elective to be undertaken after the Final Examination; and
  - (c) satisfy the examiners at the Final Summative Assessment, by producing evidence of satisfactory participation and performance in tutorials, medical humanities, clinical interpersonal skills and clinical sessions, and by satisfactory completion of written and practical examinations comprising the themes of biological, behavioural, population and clinical sciences. The Final Examination shall be held in February/March in the final year of the curriculum and its re-examination in May/June and/or November/December of the same year.

### **Assessment**

- M12** Candidates who are unable, because of illness, to be present for any paper or papers of any subject or subjects of an examination may apply for permission to present themselves at a supplementary examination of the appropriate paper or papers normally to be held before the beginning of the First Semester of the following academic year. Any such application shall be made on the form prescribed within seven calendar days of the first day of the candidates' absence from any examination. Any supplementary examination shall be part of that academic year's examinations, and the provisions made in the regulations for failure at the first attempt shall apply accordingly.
- M13**
- (a) Before a candidate may present himself/herself for examination, he/she shall complete the courses of study and instruction leading to the examination and shall achieve a satisfactory standard in the tutorials and class work prescribed in the syllabuses.
  - (b) If a candidate fails to satisfy the examiners at the First, Second, Third, Fourth or Final Summative Assessment, the Board of Examiners will determine the need for, and the nature of, a remedial period followed by re-examination. In certain circumstances, the Board may recommend repeat of the year or discontinuation of studies.
  - (c) If the candidate fails a re-examination after a remedial period, the Board of Examiners may recommend repeat of the year or discontinuation of studies.
  - (d) If, after repeating a year, the candidate fails to satisfy the Examiners, the Board of Examiners may recommend discontinuation of studies.
- M14** In connection to M13 (b), (c) and (d), the examiners may take into consideration written or practical work required of candidates during the course of study and practice, participation in tutorials and the results of class tests.
- M15** Candidates are required to fulfil the requirements stipulated in UG5 of the Regulations for First Degree Curricula in relation to the Common Core Curriculum and the language provision (except the English-in-the-Discipline course which is to be taken in Year 4) before being allowed to

proceed to the fourth year of study. Failing to do so may result in one-year delay in graduation, unless approved otherwise by the Board of Faculty.

- M16** Before being admitted to the Final Examination, a candidate shall
- (a) undertake such clinical clerk appointments as are prescribed from time to time by the Board of the Faculty of Medicine;
  - (b) reside, while undertaking clerkship appointments, at the Residence for Medical Students or in a designated teaching hospital, for such periods as are specified from time to time by the Board of the Faculty of Medicine; and
  - (c) provide evidence that he/she will have reached his twenty-first year of age by June 30 of the calendar year in which he presents himself/herself for the Final Examination.
- M17** Candidates may refer to the Assessment Procedures which are to be distributed at the commencement of study for details of the means and components of assessment for different years of study of the whole curriculum.

#### **Award of degrees**

- M18** To complete the whole curriculum, a candidate shall, apart from following the above regulations, complete satisfactorily the approved enrichment activities in Year 3 and a 4-week MBBS Elective in Year 6 after the Final Examination, according to the guidelines for MBBS Enrichment Year and MBBS Elective.
- M19** The degrees of MBBS may be awarded with Honours and a pass list of successful candidates shall be posted on the Faculty notice boards.
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## **SYLLABUSES FOR THE DEGREES OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY**

*These syllabuses are applicable to candidates admitted to the MBBS degrees under the 6-year MBBS programme in the 2016-2017 academic year.*

### **FIRST, SECOND AND THIRD YEARS**

The first and second years of the course is an integrated curriculum which covers anatomy, biochemistry, physiology, health, behaviour and medical care, an introduction to biostatistics, pharmacology, public health, foundations in medical humanities, professionalism, medical ethics and law, principles of microbiology and applied microbiology, principles of immunology, pathology and systemic pathology and an introduction to medicine and surgery. Students are expected to develop basic clinical and clinical interpersonal skills appropriate to the organ systems studied as well as to the patient as an individual. Students develop these skills in a clinical laboratory setting, and apply the skills to the context of patient management through attachments in community-based medical practice and hospital visits.

The first semester of the first year is the Introduction to the Art and Science of Medicine Course. The System-based Course begins in the second semester of the first year and continues for the first and second semesters of the second year.

Attendance at tutorials is compulsory and participation in tutorial sessions forms part of the assessment in the first and second years of the course. A satisfactory standard of performance must be attained in tutorials, class tests and coursework generally for admission to the degree examinations.

The whole third year will be a personalised Enrichment Year. The goal is to give students greater space and latitude to explore and discover in their pursuit of different kinds of learning, in consultation with their academic advisors and along the University's visionary strategy of "Internationalisation", "Innovation" and "Interdisciplinarity" converging on to "Impact". It will fulfill learning requirements and competencies but in a much more tailored way to enhance students' total learning experience.

Before the end of the third year, students are expected to complete six courses in the Common Core Curriculum (or equivalent), comprising at least one and not more than two courses from each Area of Inquiry with not more than 24 credits of courses being selected within one academic year except where candidates are required to make up for failed credits. Students are expected to take at least one in the first year, at least one in the second year and the remaining in the third year of study, of which at least half must be completed by taking courses offered by the University.

In addition to the Common Core Curriculum, students are also required to fulfil the following in accordance with UG5 of the *Regulations for First Degree Curricula* in order to satisfy the graduation requirements for the MBBS programme:

- a 6-credit course in Chinese Language Enhancement<sup>1</sup> during the second year of study;
- a 6-credit Core University English Course<sup>2</sup> in Year 1 and a 6-credit English-in-the-Discipline Course in Year 4; and

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<sup>1</sup> Candidates who have not studied the Chinese language during their secondary education or who have not attained the requisite level of competence in the Chinese language to take CEMD9006 Practical Chinese for MBBS Students can apply to the Faculty to take CEMD9007 Functional Chinese for MBBS Students.

<sup>2</sup> Candidates who have achieved Level 5\*\* in English Language in the Hong Kong Diploma of Secondary Education Examination, or equivalent, may at the discretion of the Faculty be exempted from this requirement and should take an elective course in lieu.

- any other non-credit bearing courses as required.

Students may not be allowed to proceed to Year 4 should they fail to complete the Common Core courses and the language courses (except the English-in-the-Discipline course which is to be taken in Year 4) as stipulated in UG5 at the end of the third year.

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## **COURSE CONTENT**

The first and second years of the medical curriculum comprise small group sessions, lectures, laboratory sessions and demonstrations, clinical and clinical interpersonal skills sessions, community and hospital visits. The small group sessions, clinical and clinical interpersonal skills sessions and clinical visits are conducted on a faculty organised basis, whilst lectures and laboratory sessions are conducted by the relevant departments.

During the third year of the course, students will be required to plan and undertake their individually tailored enrichment activities, which may include, but not limited to, courses offered by the Faculty and other Faculties, research internship locally or internationally at world renowned laboratories, global exchange study, pursuing an intercalated programme for an additional degree, take part in humanitarian relief missions and/or other forms of self-initiated/experiential learning activities approved by the Faculty.

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### **MBBS1006 Introduction to the Art and Science of Medicine**

The Introduction to the Art and Science of Medicine is to provide an introductory overview of the study of medicine, built upon four major areas namely “Introduction to Health Sciences”, “Mechanisms of Diseases”, “Health and the Local/Global Community” and “Medical Ethics and Humanities: The Foundations”. It is designed to strengthen students’ foundation in basic and health sciences and covers an overview of processes of disease, that is, the principle on how the physical, chemical and biological agents act at the tissue to molecular level to produce pathological processes such as inflammation, degeneration, neoplasia, autoimmunity, and gene malfunction which are final common pathways of cell damage or malfunction. It also gives the introduction of therapeutic strategies for modulating disease processes. Through the use of clinical case problems, students will explore the hierarchy of systems from molecules, cells, tissues, organs and major body systems to the patient as an individual, and as a member of a family and a community. They will also develop an understanding of the ethical and economic implications of modern medical care, medical humanities and professionalism, as well as the importance of an approach to patient care that is based on sound scientific evidence.

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### **CAES1000 Core University English**

The Core University English (CUE) course aims to enhance first-year students’ academic English language proficiency in the university context. CUE focuses on developing students’ academic English language skills for the Common Core Curriculum. These include the language skills needed to understand and produce spoken and written academic texts, express academic ideas and concepts clearly and in a well-structured manner and search for and use academic sources of information in their writing and speaking. Students will also complete four online-learning modules through the Moodle platform on academic grammar, academic vocabulary, citation and referencing skills and understanding and avoiding plagiarism. This course will help students to participate more effectively in their first-year university studies in English, thereby enriching their first-year experience. Assessment is based on 65% coursework and 35% examination.

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## **System-based Course**

The second semester of the first year and the two semesters of the second year is a system-based course concerning with the structure and function of the organ systems of the body in the context of the patient as an individual and as a member of a wider population group. Students are expected to acquire a fundamental understanding of body systems in health and disease. The organ systems covered are cardiopulmonary and renal, gastrointestinal, musculoskeletal, head, neck and nervous, haematology and immunology, and endocrine and reproductive.

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### **MBBS1007    Cardiopulmonary and Renal Systems**

The objectives are to provide a basic understanding and knowledge of the structure and function of three closely related systems of the body: the respiratory system, the cardiovascular system and the renal system, as well as the key concepts and terminology in anatomy, biochemistry, microbiology, pathology, pharmacology, physiology and public health that are relevant to the three body systems; to introduce common disease processes that affect the respiratory system, cardiovascular and renal systems and the socio-psychological aspects of the diseases; to provide a basic understanding of the role of the doctor, the functions of the healthcare system in Hong Kong, and the relevance of medical ethics and economics to the practice of medicine; and to provide a supportive climate to students for the process of professional development.

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### **MBBS2011    Gastrointestinal System**

The objectives are to provide a basic understanding of the structure and function of the constituents of the gastrointestinal system as well as the key concepts and terminology in anatomy, physiology, biochemistry, pharmacology, behavioural science, community medicine, microbiology, pathology and radiology that are relevant to the gastrointestinal system; to introduce common disease processes and the public health care aspects of diseases that affect the gastrointestinal system; and to continue providing a basic understanding of the role of the doctor, the functions of the health care system in Hong Kong, and the relevance of medical ethics and economics to the practice of medicine.

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### **MBBS2012    Musculoskeletal System**

The objectives are to provide a basic understanding of the structure and function of the musculoskeletal system; to provide a basic understanding of the anatomy, biochemistry and physiology of the different components of the musculoskeletal system, namely bones, joints, and skeletal muscles and their nerve supply; to provide a basic concept of common pathological processes which may affect the musculoskeletal system; to introduce common disease processes seen in musculoskeletal system; to provide a basic understanding of the physiology and drug treatment of pain; to provide knowledge of the epidemiology and the understanding of the social impact of common musculoskeletal disorders; and to introduce basic clinical skills involved in the examination of patients with musculoskeletal disorders.

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### **MBBS2013    Head, Neck and Nervous System**

The objectives are to provide a basic understanding of the structure and function of the head, neck and nervous system as well as the key concepts and terminology in anatomy, biochemistry, microbiology, pathology, pharmacology, physiology and public health; to enable students to understand the mechanisms of common disease processes that affect the head, neck and nervous system; to provide knowledge of the epidemiology and basic understanding of the socio-psychological aspects of the

diseases; to facilitate the professional development of students to become doctor responsive to such needs; and to continue providing an understanding of the role of the doctor, the functions of the healthcare system in Hong Kong and the relevance of medical ethics and economics to the practice of medicine.

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#### **MBBS2014 Haematology and Immunology System**

The objectives are to provide an understanding of the structure, components and function of the haemopoietic system and immune system; to provide an overview of the key concepts and terminology in anatomy, physiology, biochemistry, pharmacology, community medicine, microbiology and pathology that are relevant to the field of haematology and immunology; to introduce common disease processes in the field of haematology and immunology; to facilitate an understanding of the socio-psychological impact of haematological and immunological disorders on the patient, the family and the community; and to provide, as a continuation of the previous modules, a basic understanding of the role of the doctor, the functions of the health care system in Hong Kong, and relevance of medical ethics and economics to the practice of medicine.

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#### **MBBS2015 Endocrine and Reproductive Systems**

The objectives are to provide a basic understanding of the structure and function of the endocrine and reproductive systems; to enable students to understand the mechanisms of common disease processes that affect the endocrine and reproductive systems; to provide knowledge of the socio-psychological aspects and treatment measures of diseases; and to enhance professional development of students to become future doctors.

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#### **MBBS3800 MBBS Enrichment Year**

The enrichment year provides more options and flexibility for students to explore and discover in their pursuit of different kinds of learning, in consultation with their academic advisors and along the University's visionary strategy of "Internationalisation", "Innovation" and "Interdisciplinarity" converging on to "Impact". It will fulfill learning requirements and competencies but in a much more tailored way to enhance students' total learning experience. Students will be required to plan and undertake their individually tailored enrichment activities, which may include, but not limited to, courses offered by the Faculty and other Faculties, research internship locally or internationally at world renowned laboratories, global exchange study, pursuing an intercalated programme for an additional degree, take part in humanitarian relief missions and/or other forms of self-initiated/experiential learning activities approved by the Faculty.

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#### **CEMD9006 Practical Chinese for MBBS Students (6 credits)**

This course is designed to raise the students' level of proficiency in the specialised usage of Chinese in the medical profession. Students will become familiar with the medical terms in their traditional and simplified Chinese forms. The modern Chinese grammar and essential techniques for writing functional Chinese will be highlighted. Students are expected to demonstrate a high level of communicative competence in novel situations. The ultimate goal of this course is to equip the students with the necessary language skills for their future pursuits and to enable them to effectively communicate with their patients and colleagues whose mother tongue is Chinese. Assessment is in the forms of continuous assessment (60%) and written examination (40%).

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## **CEMD9007    Functional Chinese for MBBS Students (6 credits)**

This course is specially designed for students who received Chinese training in educational settings different from those in Hong Kong and who only have a basic knowledge of the language. It aims specifically at sharpening the students' presentation skills. Essential techniques for writing and speaking communication in Chinese will be highlighted. The growing importance and relevance of the Chinese language in academic and professional settings is increasingly evident in the modern world. The ultimate goal of this course is to equip the students with the necessary language skills for their future pursuits and to enable them to effectively communicate with their patients and colleagues who have no knowledge of other languages except for Chinese. Assessment is in the forms of continuous assessment (70%) and written examination (30%).

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### **ASSESSMENT**

Assessment of students is centralised and comprises formative as well as summative elements. A formative assessment will be held at the end of the first semester of the first year, but the results will not contribute to the summative assessment (First Summative Assessment) which will be held at the end of the second semester of the first year. The summative assessment comprises tutorial and class performance assessment, written papers and an objective structured clinical assessment (OSCA) at the end of the first year. Written papers include materials from the anatomy, physiology, biochemistry, pharmacology, community medicine, pathology, microbiology, and other clinical disciplines. Summative assessment in the second year (Second Summative Assessment) follows the same format as that in the first year.

Distinction may be awarded on the basis of performance in continuous assessment, knowledge-based assessment and OSCA.

At the end of the third year, students will be assessed on an individual basis whether they have completed satisfactorily the learning activities as set out in their own enrichment programme (Third Summative Assessment).

The means of assessment of the language courses and Common Core courses rest upon the course offering units concerned.

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### **FOURTH YEAR**

The fourth year of the course comprises the integrated block and the junior clerkship. Students are required to take the English-in-the-Discipline Course and participate in the medical humanities sessions in this year.

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### **COURSE CONTENT**

#### **MBBS4026    Integrated Block**

The first ten weeks of the first semester of the fourth year is an integrated block. The course is designed to help students to consolidate and reinforce what they have acquired in the system blocks and translate them into systemic application in clinical scenarios. Applications of basic sciences and public health principles in clinical medicine will be emphasised, including clinical genetics, clinical pharmacology, microbiology and infectious diseases. A "life cycle" approach is adopted, during which students are expected to learn common clinical problems in a multidisciplinary manner. A co-ordinated course on bedside clinical skills will also be conducted.

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## **Junior Clerkship**

This clinical course commences in the middle of the first semester and lasts for a total of twenty-seven weeks. Emphasis is on the diagnosis of common clinical problems with regular revisiting of the pre-clinical sciences and the themes of biological, behavioural, population and clinical sciences. The course consists of three blocks of clinical clerkships of nine weeks each in rotation, namely the medicine-related block, the surgery-related block and the multidisciplinary block on cancer, infection and other common illnesses. There are small group tutorials, lectures, bedside and outpatient teaching.

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### **MBBS4021    Medicine Related Block**

This teaching block introduces students to the taking of complete medical, social, personal and family history and the performance of a complete physical examination in a patient with a medical complaint. The principles and practice of medicine are covered, including presentation of findings and understanding of common presenting clinical features of medical illnesses and their correlation with the underlying pathophysiological changes. Students will also learn how to integrate the history and physical signs of the clinical problem in order to arrive at a clinical diagnosis or an appropriate list of differential diagnosis, and to select critically a set of useful and appropriate investigations to help confirming the clinical diagnosis. Pre-clinical sciences will be revisited.

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### **MBBS4022    Surgery Related Block**

This teaching block introduces students to the diagnosis of common surgical problems (including ENT) and provides students with a clinical insight to orthopaedics & traumatology. Students will be exposed to the management of ambulatory surgical patients, with emphasis on principles of peri-operative care. They will observe and understand the management of patients with surgical emergencies and comprehend the role of basic investigations in surgical practice. Basic surgical skills are also introduced through teaching clinics. Students will revisit and practise the communication and clinical skills at bedside with system-based approach. Pre-clinical sciences will be re-visited.

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### **MBBS4023    Multi-disciplinary Block: Cancer, Infection and Other Common Illnesses**

This teaching block introduces students to the clinical approach to symptoms and signs of cancer, infection and other common diseases across different specialties, as well as the basic of simple investigations and public health approaches. There is also an introduction to clinical approach to special clinical situations including emergency medicine, community-medicine, obstetrics and gynaecology, paediatrics and adolescent medicine, psychiatry and public health. This is to complement teachings in the Medicine-related and Surgery-related blocks so as to allow a holistic and balanced approach to patients. There is further teaching on essential clinical skills and application of imaging in clinical settings. Reference will be made to the other aspects of basic sciences covered in the first two years to demonstrate their importance and applications in clinical settings. In addition, students will be introduced to the principles and concepts of family medicine. They will also have the opportunity to undertake clinical attachments at community-based primary care teaching practices and ophthalmologist clinics where they will learn the different roles between family physicians and specialists and gain an insight in the work of family and private doctors in patient care. Emphasis is put on the nature of the doctor-patient relationship and its therapeutic potentials, and also the hypothetical-deductive method of problem solving.

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## **CAES9740 Professional Communication in Clinical Practice (6 credits)**

This course has the overall aim of preparing fourth-year MBBS students to meet the communicative demands of clinical clerkships. The main strands of the course include oral and written patient case presentations, and seminar presentations on ethics in clinical practice. As part of the extended learning goals of these strands, students will practise communicating differential diagnoses, justifying treatment or management plans, and clinical correspondence skills for referrals and medical reports. The course will be delivered through a variety of in-class activities such as group discussion and simulations, practice tasks and study of language in context.

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### **ASSESSMENT**

Assessment comprises both formative and summative elements. A formative assessment will be held at the end of the integrated block. Continuous clinical competence assessment is carried out throughout the fourth year based on students' performance in bedside, outpatient and other small group learning sessions, including PBL tutorials, medical humanities, project work, and logbook validation. An end-of-rotation test will be held for each block of the Junior Clerkship. The results of the assessment will be taken into account for progression to the fifth year. At the end of the fourth year, there is a summative written examination and a clinical examination for students whose performance in the continuous clinical competence assessment has been identified as unsatisfactory. A distinction viva may be held for candidates with outstanding performance in the Junior Clerkship for consideration of the award of distinction. The results of the assessment will be taken into account in the Fourth Summative Assessment.

The means of assessment of the Professional Communication in Clinical Practice course rests upon the Centre for Applied English Studies.

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### **FIFTH AND SIXTH YEARS**

During the fifth and sixth years of the course, students will undertake further learning in a variety of clinical disciplines including medicine, surgery, anaesthesiology, emergency medicine, oncology, radiology, obstetrics and gynaecology, ophthalmology, orthopaedics and traumatology, paediatrics and adolescent medicine, pathology, psychiatry, community medicine, public health and family medicine. There is also integrated teaching on primary care, medical ethics, law and humanities. Students will also be given the opportunities to expose to private practice. Clinical and clinical interpersonal skills will be reinforced. Students will be required to attend a 4-week MBBS Elective at the end of the sixth year after the Final Examination.

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### **Senior Clerkship**

This clinical course takes up the first semester of the fifth year lasting for a total of twenty-four weeks. It emphasises on differential diagnoses, further investigations and therapeutic management of common clinical problems. Students will be exposed to acute and emergency medicine with regular revisiting of pre-clinical sciences, community medicine and public health. The course consists of three blocks of clinical clerkships of eight weeks each in rotation, namely the general medicine block, the surgery and orthopaedics and traumatology block and the multidisciplinary block on emergency, palliative care and ophthalmology, as well as a medical ethics, law and humanities programme, spreading throughout the whole period of clerkship.

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**MBBS5020      General Medicine Block**

This teaching block builds on what the students have learnt in the medicine-related block in the Junior Clerkship and will teach students on more sophisticated clinical approach and skills. It covers the principles of holistic management and prevention of common and/or important medical diseases and issues related to clinical therapeutics. There is emphasis on common medical conditions, common dermatoses, cutaneous manifestations of systemic diseases, geriatric problems, as well as the selection and interpretation of investigations and the principles of management. Pre-clinical sciences will be revisited.

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**MBBS5021      Surgery and Orthopaedics and Traumatology Block**

This teaching block allows students to revisit and practise the clinical and communication skills acquired in the Junior Clerkship. It helps extending further knowledge of surgical practices on the basis of the core principles acquired and gives students the opportunities to observe and experience in the network hospitals the practice of surgery, diagnostic and therapeutic endoscopic procedures, and surgical procedures in operation theatres. Pre-clinical sciences will be revisited.

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**MBBS5022      Multi-disciplinary Block: Emergency, Palliative Care and Ophthalmology**

This teaching block emphasises on emergency, palliative care and ophthalmology. It covers areas like environmental emergencies, anaesthesiology and intensive care, advanced life support, emergency in obstetrics and gynaecology, management of cancer and oncological emergencies, diagnostic radiology and palliative oncology. Pre-clinical sciences, community medicine and public health will be revisited by means of seminars on aging.

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**Specialty Clerkship**

This clinical course takes up the second semester of the fifth year and the first semester of the sixth year and lasts for a total of forty-nine weeks. It is a capstone experience for students to integrate the knowledge and skills acquired in earlier years of the curriculum and a stage of apprenticeship with in-depth exposure to different specialties in clinical and primary care settings. The course consists of seven blocks of clinical clerkships of seven weeks each in rotation. Satisfactory attendance at tutorials, seminars, bedside and outpatient teaching and other small group clinical teachings are essential. Students may be required to reside in the Residence for Medical Students. They will learn the finer details of clinical and primary care by participating in the day-to-day management of patients.

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**MBBS5032/MBBS6032      Medicine**

The block covers disease pathophysiology of all sub-specialties of Medicine and their interrelationship, including dermatology, infectious diseases and geriatrics; social and psychological aspects of medical diseases; clinical pharmacology and therapeutics, knowledge of the indications, limitations and cost-effectiveness of various treatment modalities in Medicine including ambulatory medical care. At the end of the block, students should be able to elicit and present relevant clinical findings succinctly and have acquired, under supervision, basic technical skills in venesection, setting up an intravenous drip, ECG examination and cardiopulmonary resuscitation.

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**MBBS5033/MBBS6033      Obstetrics and Gynaecology**

At the end of the block, students should be equipped with knowledge and skills to participate in women

health care including fertility regulation, prevention and early detection of diseases by screening, be aware of the effect of disorders of the female genital tract, and of pregnancy, delivery and puerperium on health in women, be able to understand the patient-centred care for obstetric and gynaecological disorders and respect patient's rights, privacy and confidentiality.

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**MBBS5034/MBBS6034      Orthopaedics and Traumatology**

At the end of the block, students should be able to take a complete history and perform complete and proper physical examination in a patient with musculoskeletal disorder; integrate the history and physical signs to arrive at an appropriate list of differential diagnoses, and to plan subsequent investigation; and comprehend the presentations and the principles of management of common orthopaedic conditions.

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**MBBS5035/MBBS6035      Paediatrics and Adolescent Medicine**

At the end of the block, students should be able to recognise when a child is ill; demonstrate the skills of obtaining history from parent and child; adapt clinical examination skills to the needs of the child; be able to communicate and discuss the patient's problems with peers, patients and parents; appreciate the difference between a child and adult patient; recognise the importance of nutrition, growth and development in childhood and adolescence; relate clinical problems with basic sciences (especially genetics and embryology), analyse the role of the family, society and environment; identify clinical problems and formulate a management strategy for the child; and acknowledge the importance of special issues such as child health in terms of injury prevention, breast-feeding, children with multiple disabilities/handicap; and dying child.

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**MBBS5037/MBBS6037      Psychiatry**

The block covers basic notions in psychiatry, the principles of diagnosis, evaluation, problem identification, management of common psychiatric problems and emergencies, and proper use of psychiatric treatment in general practice setting. Students will also learn about the influence of psychosocial factors on health seeking behaviour and the course of illness and the way in which doctors' own emotional response to patients can influence clinical judgement and patient management.

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**MBBS5038/MBBS6038      Surgery**

The block includes instructions in general surgery and clinical rotations among surgical sub-specialties in network hospitals. Students will learn inpatient and outpatient management of common elective and emergency surgical problems, including those seen in primary care setting, as well as the selection and interpretation of appropriate investigations and treatment options. Teaching will include tutorials, ward round, outpatient clinic visits, departmental academic meetings, attendance of operative and endoscopic sessions, and attachment to Accident and Emergency Department.

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**MBBS5039/MBBS6039      Emergency Medicine**

The Block covers the spectrum of common problems and principles in emergency medicine, with emphasis on specific knowledge and skills concerning individual emergencies. At the end of the Block, students should be able to conduct focused history taking and examination on patients presenting with undifferentiated complaints; develop working diagnosis and formulate strategy for further management;

acquire basic skills on common ED procedures; understand the basic approach to patients with potentially life threatening emergencies; and collaborate, communicate and refer to other health care providers for continued patient care, including psychosocial and community support.

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### **MBBS5040/MBBS6040      Family Medicine and Community Care**

The course emphasises on experiential and inter-professional learning of how the principles and concepts of family medicine are applied in primary care, and the co-ordination of multi-disciplinary care in the community. Students will have opportunities to practise their consultation skills and develop a patient-centred approach for effective whole person comprehensive care in the community. Learning activities will be framed to address four key themes relevant to family medicine and community care, namely: family medicine and primary/ambulatory care (includes women's and children's health, medicine and ambulatory surgery); care of elderly; management of common mental health disorders; and rehabilitation. There are attachments and placements in family care, primary/ambulatory care, rehabilitation and other community based teaching centres across various specialties. At the end of the clerkship, students should be able to integrate psychosocial with physical factors in relation to the health and illnesses of individual patients, use time, diagnostic and therapeutic resources and specialist services cost-effectively, and carry out a patient-centred consultation effectively in primary care, and coordinate and formulate a multi-disciplinary community-based care plan for their patients.

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### **MBBS6400      MBBS Elective**

Students are required to complete a 4-week Elective after the Final Examination. They can explore areas of their own interest by means of either clinical attachment or laboratory/clinical research.

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### **Revision**

In the month of January, a series of revision sessions will be held to help students preparing for the Final Examination.

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### **Enhanced Pre-internship Block**

It is a three-week block offered in June with the objective of preparing graduates for a smooth transition from medical students to practitioners. Students will undertake structured practical tips and orientation workshops, and undergo clinical attachment before they begin their internship at various hospitals in Hong Kong.

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### **ASSESSMENT**

Continuous clinical competence assessment is carried out throughout the Senior Clerkship based on students' performance in bedside, outpatient and other small group learning sessions, and logbook validation. An end-of-rotation test will be held for each block of the Clerkship. The results of the assessment will be taken into account in the Final Summative Assessment in the sixth year. There is no written summative assessment at the end of the Senior Clerkship.

During the Specialty Clerkship, continuous assessment and clinical competency test will be held at each rotation. Satisfactory performance is required for eligibility to sit the Final Examination, which will be held at the end of the sixth year before the MBBS Elective.

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