Jan 9, 2025

香 港 大 學

THE UNIVERSITY OF HONG KONG

LKS FACULTY OF MEDICINE
李嘉誠醫學院

School of Chinese Medicine
中醫藥學院

Fundamentals of Diagnosis
(BCHM4608)

COURSE MANUAL
教學大綱
2024/2025 & 2025/26

Jan 9, 2025

1. COURSE INFORMATION
課程資料

Course Name: 課程名稱	Fundamentals of Diagnosis
Course Code: 課程編號:	BCHM4608
Course Co-ordinator: 科目統籌:	Professor Will Chan Department of Medicine Email address 電郵 : chanwill@hku.hk Dr Rex Au-Yeung Department of Pathology Email address 電郵 : rex.auyeung@hku.hk Professor IYH Wong Department of Surgery Email address 電郵 : iyhwong@hku.hk@hku.hk

Teaching Team: 主講教師:	**Medicine** Porf KH Chan Prof JCM Ho Prof IFN Hung Prof JSH Hai Prof CL Lai Prof TKL Lui Prof R Yu Dr YYS Pang Dr Eddie Lam **Pathology** Prof A Cheung Prof Albert Sin Prof S Tam Dr Elaine Au Dr Rex Au-Yeung Dr RWK Ip Dr WC Yam Dr SF Yuan **Surgery** Dr HK Choi Dr SH Chok Dr TT Law Dr KW Ma Dr IYH Wong Dr CC Wong Dr TCL Wong
Credit value: 學分:	12
Medium of instruction: 教學語言:	English 英文
Semester offered: 授課時間:	First Semester and Second Semester (Year 4) and First Semester (Year 5) 第一學期及第二學期 (四年級) 及 第一學期 (五年級)
Pre-requisite(s): 先修課程	Pathology
Co-requisite(s): 並修課程	Nil 沒有

2. COURSE OBJECTIVE
課程宗旨

This course provides the students with the knowledge and skills of diagnosis for further study of clinical subjects. It includes history taking of patients, performing the systemic physical examination, significance of laboratory tests, the examinations using medical equipments, analyzing the above collected data, and how to write a whole patient record and make a primary diagnosis.

3. COURSE DESCRIPTION – SYLLABUS
課程簡介 - 課程大綱

This course provides students with knowledge and skills of diagnosis for further study of clinical subjects. It includes history taking of patients, performing systemic physical examination, significance of laboratory tests, examination using medical equipments, and their interpretation, and how to write a clinical record and make a primary diagnosis. *Pre-requisite: Pathology*

Assessment: 30% continuous assessment; 70% examination

4. COURSE LEARNING OUTCOMES
課程學習成果

On completing the course, students will be able to
學生在學習本課程之後 , 應能夠

Course Learning Outcomes (CLOs) - Medicine		**Alignment with BChinMed Programme Learning Outcome(s) (PLOs)**
CLO1	Introduction of clinical medicine.	1,2,3, 4C,5A
CLO2	Acquaintance of clinical approach to patients.	
CLO3	Interpretation of basic laboratory and radiologic investigation results.	

Course Learning Outcomes (CLOs) - Pathology On completing the course, students will be able to:		**Alignment with BChinMed Programme Learning Outcome(s) (PLOs)**
CLO4	To understand the applications of common and essential diagnostic laboratory tests in clinical medicine as currently practiced in the local community hospitals.	1B, 2, 3A, 4, 5, 6

Course Learning Outcomes (CLOs) - Surgery On completing the course, students will be able to:		**Alignment with BChinMed Programme Learning Outcome(s) (PLOs)**
CLO5	At the end of the course, students will be able to take basic history, perform proper physical examination and achieve basic knowledge in clinical diagnosis in general surgery.	1B,1C,2B, 3,4B,4C,5A,6C

5. COURSES CONTENT & TOPICS
授課內容及課題

Medicine

1. Physical Examination of the Abdomen
2. History Taking
3. Physical Examination of the CVS
4. Physical Examination of the Chest
5. Common Neurological Diseases and Diagnostics
6. ECG
7. Common Infectious Diseases and Diagnostics
8. Common Respiratory Diseases and Diagnostics
9. Interpretation of Blood Gases
10. Common Cardiac Diseases and Diagnostics
11. Interpretation of Liver Function Tests (including HCC markers)
12. Physical Examination of the CNS

Pathology

Lecture

1. Microbiological investigations for infectious diseases
2. Clinical significance of immunological tests
3. Use of biochemical laboratory tests: liver function
4. A guide to haematological investigations
5. Principles and applications of cytological diagnosis
6. Use of biochemical laboratory tests: renal function and blood gas analysis

Lab Visit / Tutorial

1. Microbiology
2. Haematology
3. Immunology
4. Cytology
5. Clinical Biochemistry
6. Anatomical Pathology

Surgery

1. Introduction to the diagnostics course
2. History taking
3. Clinical demonstration: Thyroid / Head & Neck / Skin & Subcutaneous Lesions / Abdomen / Urology / Perineum & Hernia / Breast / Peripheral Vascular System
4. Haematemesis, melaena, dysphagia
5. Peripheral vascular disease and varicose vein
6. Jaundice & hepatobiliary diseases
7. Investigations in surgical patients
8. Pain
9. Abdomen / spasm / colics
10. Revision Lecture

6. COURSE TEACHING & LEARNING ACTIVITIES
課程教學及學習活動

Activities - Medicine	**Number of hours**		**% of total study load 比重**
	Contact hours	**Non-contact hours**	
Lectures	**23**		**20.9**
Seminar			
Quiz			
Test			
Tutorial			
Practical			
Problem-based Learning Workshop			
Laboratory Visit			
CAL Workshop			
Bedside practice	**18**		**16.4**
Self Study		**69**	**62.7**
Assignment			
Reading			
Report Writing			
Discussion			
Total:	**41**	**69**	**100**
	(Approximately 45 hours)	**(Approximately 69 hours)**	

Activities - Pathology	**Number of hours**		**% of total study load 比重**
	Contact hours	**Non-contact hours**	
Lectures	**12**		**26.7**
Seminar			
Quiz			
Test			
Tutorial			
Practical			
Problem-based Learning Workshop			
Laboratory Visit	**8**		**17.8**
CAL Workshop			
Bedside practice			
Self Study		**25**	**55.5**
Assignment			
Reading			
Report Writing			
Discussion			
Total:	**20**	**25**	**100**
	(Approximately 18 hours)	**(Approximately 27 hours)**	

Activities - Surgery	**Number of hours**		**% of total study load 比重**
	Contact hours	**Non-contact hours**	
Lectures	**13**		**15.8**
Seminar			
Quiz			
Test			
Tutorial			
Practical			
Problem-based Learning Workshop			
Laboratory Visit			
CAL Workshop			
Bedside practice	**20**		**24.4**
Self Study		**3.5**	**4.3**
Assignment		**3.5**	**4.3**
Reading		**20**	**24.4**
Report Writing			
Discussion		**22**	**26.8**
Total:	**33**	**49**	**100**
	(Approximately 32 hours)	**(Approximately 49 hours)**	

7. ASSESSMENT METHODS, WEIGHTING AND ASSIGNMENT
考核方法、比重及分配

Assessment Method	**Brief Details of Assignment**	**Weighting (%)**	**Alignment with Course Learning Outcome(s) (CLOs)**
Performance in class			
Skills Training	Skill assessment (Medicine)	10	CLO1-5
Assignment	Bedside assessment (Medicine & Surgery)	20	CLO1-5
Quiz			
Test			
Laboratory Report			
Problems-based learning			
Examination	Written Paper	70	CLO1-5
Total		100	

8. Grade Descriptor 等级描述

Standard	Grade Point	Grade	Marks	Description
Excellent	4.3 4.0 3.7	A+ A A-	95-100 90-94 85-89	Excellent result. Students with this grade must show evidence of original thought, strong analytical and critical abilities in Chinese Medicine as well as a thorough grasp of the overall development of Chinese medicine; should demonstrate strong organizational, rational and presentation skills; should demonstrate excellent understanding in the three basic elements in Chinese medicine studies (Theories, knowledge and skills)
Good	3.3 3.0 2.7	B+ B B-	80-84 75-79 70-74	Good to very good result, achieved by the next group of students who are critical and analytical but not necessarily original in their thinking in Chinese medicine; should demonstrate good organizational, rational and presentation skills; show adequate grasp of the three basic elements in Chinese medicine studies
Satisfactory	2.3 2.0 1.7	C+ C C-	65-69 60-64 55-59	Satisfactory to reasonably good result. Student should show a reasonable grasp of their subjects (The three basic elements in Chinese medicine), but most of their information is derivative, with rather little evidence of critical thinking; should demonstrate fair organizational, rational and presentation skills
Standard	**Grade Point**	**Grade**	**Marks**	**Description**
Pass	1.3 1.0	D+ D	53-54 50-52	Barely satisfactory result. Students who receive this grade will have assembled the bare minimum requirements in the three basic elements in Chinese medicine studies and not very well organized in presentation. There is no evidence of critical thinking
Fail	0	F	<50	Hopelessly muddled usually with a great deal of irrelevant information and containing fundamental errors. Poorly understanding in the three basic elements in Chinese medicine studies

9. REQUIRED / RECOMMENDED READINGS AND ONLINE MATERIALS
參考書籍及網上資料

Recommended Reading:

- Notes provide by the teachers

10. TEACHING SCHEDULE
上課時間表

First Semester (Year 4) (2024/2025) - Medicine
2024/2025 第一學期 (四年級) – 內科

Date / Time		Time	Duration	Nature	Topic	Teacher	Venue
11/9/24	Wed	1430-1620	2 hrs	L1	History Taking	Prof R Yu	PB412
16/9/24	Mon	~~1430-1620~~ 1500-1620	2 hrs	L2	Common Neurological Diseases and Diagnostics	Dr YYS Pang	PB412
25/9/24	Wed	1030-1220	2 hrs	L3 & ST1	Physical Examination of the CVS	Prof JSH Hai	PB412
2/10/24	Wed	1430-1620	2 hr	L4 & ST2	Physical Examination of the Abdomen	Prof CL Lai	PB403
9/10/24	Wed	1430-1620	2 hrs	L5	Common Respiratory Diseases and Diagnostics	Prof JCM Ho	PB403
21/10/24	Mon	1430-1620	2 hrs	L6	Common Infectious Diseases and Diagnostics	Prof IFN Hung	PB403
28/10/24	Mon	1430-1620	2 hrs	L7 & ST3	Physical Examination of the CNS	Prof KH Chan	PB412
4/11/24	Mon	1100-1250	2 hrs	L8 & ST4	Physical Examination of the Chest	Dr Eddie Lam	PB412
6/11/24	Wed	1430-1620	2 hrs	L9	Common Cardiac Diseases and Diagnostics	Dr Eddie Lam	ULT 1
11/11/24	Mon	1430-1620	2 hrs	L10	Interpretation of Liver Function Tests (including HCC markers)	Prof TKL Lui	3SR-SR5
13/11/24	Wed	1430-1620	2 hrs	L11	ECG	Prof JSH Hai	QTLT
20/11/24	Wed	1430-1620	2 hrs	L12	Interpretation of Blood Gases	Prof JCM Ho	ULT 1
Jul – Sept 2025					Clinical Foundation Block (Bedside Training) Schedule will be provided in July 2025		

(Introduce X-rays wherever relevant.)

Venue:

PB403	Lecture Theatre, Room 403, 4/F, Professorial Block, QMH
PB412	Room 412, McFazean Library, 4/F, Professorial Block, QMH
ULT I	Underground Lecture Theatre I, UG1/F, New Clinical Building, QMH
QTLT	Lecture Theater, Room 02-014, 2/F, Block T, QMH

LT1 (21 Sassoon Rd)	Cheung Kung Hai Lecture Theatre 1, LT1, G/F, William M.W. Mong Block, Faculty of Medicine Building, 21 Sassoon Road
PCB-102:	Hospital Ward (Room 102, Pauline Chan Building, 10 Sassoon Road)
3SR-SR5	Seminar Room 5, Room 603, 6/F, HKUMed Academic Building, 3 Sassoon Road

L = Lecture 課堂講授 TEST = Test 測驗 Q = Quiz 小測 T = Tutorial 導修
D = Discussion 討論 S = Self Study 自學 V = Visit 參觀 PS = Presentation 演講
Lab = Laboratory Practical 實驗訓練 PBL = Problem Based-Learning 問題導向學習
P = Practical / Clinical Attachment 見習 C = Clinical Demonstration
B = Bedside LV= Lab Visit ST = Skills Training

Jan 9, 2025

Second Semester (Year 4) (2024/2025) - Pathology
2024/2025 第二學期 (四年級) – 病理學

Date / Time		Time	Hrs	Nature	Topic	Teacher	Venue
22/1/2025	Wed	1430-1620	2	L1	Introduction to Hospital Pathology and Laboratory Diagnostics	Dr Rex Au-Yeung	T6-035
5/2/2025	Wed	1430-1620	2	L2	A guide to haematological investigations	Prof Albert Sin	T6-035
12/2/2025	Wed	1430-1620	2	L3	Microbiological investigations for infectious diseases	Dr SF Yuan	T6-035
19/2/2025	Wed	1430-1620	2	T1	Haematology	Prof Albert Sin	T6-035
26/2/2025	Wed	1430-1620	2	T2	Anatomical Pathology	Prof A Cheung	T6-035
5/3/2025	Wed	1430-1620	2	V3	Microbiology	Dr WC Yam	T6-035
19/3/2025	Wed	1430-1620	2	L4	Use of biochemical laboratory tests: liver function	Prof S Tam	T6-035
26/3/2025	Wed	1430-1620	2	L5	Use of biochemical laboratory tests: renal function and blood gas analysis	Prof S Tam	T6-035
2/4/2025	Wed	1430-1620	2	T4	Clinical Biochemistry I	Prof S Tam	T6-035
9/4/2025	Wed	1430-1620	2	T5	Clinical Biochemistry II	Prof S Tam	T6-035
16/4/2025	Wed	1430-1620	2	L6	Clinical significance of immunological tests	Dr Elaine Au	T6-035
23/4/2025	Wed	1430-1620	2	V6	Immunology	Dr Ricky Ip	T14-011

Venue:

T6-035:	T6-035: Room 035, 6/F, Block T, QMH
T14-011	T14-011: Room 011, 14/F, Block T, QMH

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Lab = Laboratory Practical 實驗訓練 PBL = Problem Based-Learning 問題導向學習
P = Practical / Clinical Attachment 見習 C = Clinical Demonstration
B = Bedside LV= Lab Visit ST = Skills Training

First Semester (Year 5) (2024/2025) - Surgery
2025/2026 第一學期 (五年級) – 外科

- To be confirmed

Jan 9, 2025

Annex I

THE UNIVERSITY OF HONG KONG
SCHOOL OF CHINESE MEDICINE

Bachelor of Chinese Medicine (BChinMed)

The learning outcomes of the programmes as defined by the core competencies of our graduates are as follows:

Aimed Competences		*Learning Outcomes*
PLO1.	**Capabilities in critical intellectual inquiry and life-long learning**	Students should be able to: **PLO1A:** understand clinical practice and medical management of Chinese Medicine comprehensively, identify the problem and make appropriate criticism; **PLO1B:** investigate medical and clinical problems in Chinese Medicine and to establish suitable management plan; and **PLO1C:** obtain actively information of clinical treatment and research in Chinese Medicine; keep pace with technology advancement and explore new markets.
PLO2.	**Capabilities in tackling novel situations and ill-defined problems**	Students should be able to: **PLO2A**: inherit tradition of Chinese Medicine; make use of the concepts in Chinese Medicine studies to differentiate and **PLO2B:** solve complicated clinical problems; and combine different scientific knowledge; explore and improve clinical diagnosis, treatment and research of Chinese Medicine.
PLO3.	**Capabilities in critical self-reflection and greater understanding of others**	Students should be able to: **PLO3A**: evaluate objectively personal ability and limitation and to make appropriate decision for patients; and **PLO3B:** analyse a clinical scenario from multiple perspectives, including that of the patient, the patient's family, and colleagues in the professional team.
PLO4.	**Capabilities in intercultural communication, multi-cultural understanding and global citizenship**	Students should be able to: **PLO4A:** apply the philosophy and the holistic approach of TCM in clinical practices; **PLO4B:** understand the promotion and application of Chinese Medicine and other complementary medical science in developed and less developed countries, as well as their positive influence on human health; and **PLO4C:** understand the influence of cultural difference between East and West on the theoretical systems of Chinese and Western medicine, as well as the comparative advantage of Western and Chinese Medicine respectively.
PLO5.	**Capabilities in collaboration and communication**	Students should be able to: **PLO5A**: demonstrate the ability to communicate effectively with patients and their families, staff members, peers and other health care professionals orally and in writing; and **PLO5B**: respect the roles and contributions of other members of the team.
PLO6.	**Capabilities in leadership and advocacy for the improvement of human health**	Students should be able to: **PLO6A**: recognize research as a valuable tool for the improvement of human condition; **PLO6B:** participate in the enhancement, explanation, application and promotion of treatment and knowledge of prevention in Chinese Medicine; and **PLO6C:** initiate or participate in community projects for the betterment of health.