

長庚大學醫學系 102 學年度第一學期五年級課程資料

目 錄

<u>項次</u>	<u>課程名稱</u>	<u>頁碼</u>
1	內科學	1
2	小兒科學	20
3	神經科學	35
4	精神醫學	42
5	復健科學	52
6	影像診療學	61
7	內科學實習	75
8	小兒科學實習	77
9	神經科學實習	80
10	精神醫學實習	84
11	復健科學實習	87
12	影像診療學實習	89
13	英文病歷寫作之原理及應用	91
14	醫用台語	95

課程名稱：內科學 Internal Medicine

學年：102

學期：1

年級：5

課程大綱

教科書：

Harrison: Principles of Internal Medicine, 18th Edition

參考書：

1. Cecil: Textbook of Medicine, 24th Edition
2. Oxford: Textbook of Medicine, 5th Edition

整體教學目標：

瞭解內科疾病之臨床症狀、診斷、機轉及治療。

教學方法：

以上課為本，做有系統的講解、分析、討論及雙向溝通。

中文課程簡介：

- 1.急、慢性肝炎，肝硬化，肝腫瘤及其他肝病。
- 2.消化道系統包括吸收、食道、胃、小腸、大腸、膽道、胰臟之疾患。
- 3.急症腹痛及各種消化膽道之影像檢查。
- 4.各種急、慢性腎炎及免疫腎疾患。
- 5.尿路感染及結石。
- 6.發燒、發炎、各種細菌、寄生蟲及黴菌感染。
- 7.敗血症及休克。
- 8.內分泌學包括肥胖、糖尿、腎上腺、生殖系統、下視丘、腦垂體及甲狀腺之疾患。
- 9.預防醫學。
- 10.各種正常及異常心臟功能，及冠心症、高血壓、心律不整、心肌病變、心包膜、風濕性心臟病、心衰竭、感染性內膜炎、先天性心臟病、主動脈、基因及分子心臟學。

英文課程簡介：

- 1.Disorders of gastrointestinal, biliary tree, pancreas & liver
- 2.Disorders of renal & urinary tract system
- 3.Infection disease & sepsis

4. Disorders of Endocrine
5. Preventive medicine
6. Disorders of airways & lungs
7. Rheumatology
8. Hematology

成績考核：

期中考(45%)+期末考(45%)+CBL(10%)

教學進度

項次	上課日期/ 星期	開始/ 結束 節次	時數	授課教師	教學進度
1	2013-08-12 (一)	2 - 2	1	醫學系內科 葉森洲	EKG 學習目標：學習心電圖之基本原理與判讀方法。 大綱： (A)Basic knowledge for ECG 1. Conduction system and activation 2. Extremity & Precordial leads 3. Waves 4. Intervals (B)Interpretation 1. Rate 2. Rhythm and heart block 3. Axis 4. Hypertrophy and enlargement 5. Myocardial infarction
2	2013-08-12 (一)	6 - 6	1	醫學系 郭漢彬	Acute respiratory distress syndrome and acute or chronic respiratory failure
3	2013-08-12 (一)	8 - 8	1	醫學系內科 陳永昌	Approach to the patients with renal diseases
4	2013-08-12 (一)	9 - 9	1	醫學系 林成俊	Liver tumor
5	2013-08-13 (二)	2 - 2	1	醫學系 方基存	Acute renal failure A. Definition of acute renal failure B. Classification and causes of acute renal failure

					<p>1. Prerenal acute renal failure (hypoperfusion)</p> <p>2. Intrinsic acute renal failure (parenchyma)</p> <p>3. Postrenal acute renal failure (obstructive)</p> <p>C. Clinical course of ischemic and nephrotoxic acute tubular necrosis</p> <p>1. Initiation phase</p> <p>2. Maintenance phase (oliguric phase)</p> <p>3. Diuretic phase</p> <p>4. Recovery phase</p> <p>D. Pathophysiology of ischemic and nephrotoxic acute tubular necrosis</p> <p>E. Symptoms and signs of acute renal failure</p> <p>F. Clinical differential diagnosis of acute renal failure</p> <p>G. Management of acute renal failure</p> <p>H. Prognosis factors in acute renal failure</p>
6	2013-08-13 (二)	3 - 4	2	醫學系 王正旭	Principles and toxicity of cancer chemotherapy
7	2013-08-13 (二)	5 - 6	2	中醫學系內科 黃景泰	Sepsis & septic shock
8	2013-08-13 (二)	7 - 7	1	醫學系內科 溫明賢	Infective endocarditis, atrial myxoma, syphilis, thyrotoxicosis & systemic disease involving heart
9	2013-08-14 (三)	1 - 1	1	醫學系內科 葉森洲	Cardiac arrhythmia
10	2013-08-14 (三)	2 - 2	1	醫學系內科 傅懋洋	Diseases of Aorta and peripheral vascular disease
11	2013-08-14 (三)	3 - 3	1	醫學系內科 莊峻鎰	Lipid disorder
12	2013-08-14 (三)	4 - 4	1	生物醫學所 陳思達	Obesity and Multiple Endocrine Neoplasia
13	2013-08-14 (三)	6 - 6	1	醫學系內科 黃建達	Diseases of the pleura, mediastinum, and diaphragm
14	2013-08-14 (三)	9 - 9	1	醫學系內科 劉烈邦	Polymyositis, Scleroderma, Vasculitis, Allergic asthma
15	2013-08-15	2 - 3	2	醫學系內科	Noninvasive examination of the heart; Echocardiography

	(四)			洪國竣	gram
16	2013-08-15 (四)	7 - 7	1	醫學系 李青松	Gastrointestinal images
17	2013-08-15 (四)	8 - 8	1	醫學系 賴彬卿	Immunopathogenetic mechanisms of renal injury
18	2013-08-16 (五)	3 - 3	1	醫學系內科 劉劍英	Neoplasm of the lung
19	2013-08-16 (五)	4 - 4	1	醫學系內科 洪國竣	Pulmonary thromboembolism, pulmonary hypertension, and cor pulmonale
20	2013-08-16 (五)	5 - 5	1	醫學系內科 王俊傑	Cardiomyopathies and myocarditis
21	2013-08-19 (一)	2 - 2	1	醫學系 周宗川	Pericardial disease
22	2013-08-19 (一)	5 - 5	1	醫學系 謝顯森	<p>Important parasitic disease in Taiwan 學習目標：台灣重要寄生蟲疾病的症狀、診斷、及治療。 大綱：A. 阿米巴 B. 蛔蟲 C. 鉤蟲 D. 鞭蟲 E. 蟯蟲 F. 中華肝吸蟲 G. 牛、豬條蟲 H. 廣東住血線蟲 I. 糞小桿線蟲 J. 瘧疾</p>
23	2013-08-19 (一)	6 - 6	1	醫學系內科 洪振傑	<p>Renal replacement therapy A. 急慢性透析治療之適應症 B. Hemodialysis (HD): 1. Basic principle: diffusion, convection and ultrafiltration 2. Dialyzer, dialysate and monitor unit in dialysis unit 3. Blood access: arteriovenous fistula, graft etc C. Peritoneal dialysis (PD): 1. Basic principle: diffusion, convection and ultra</p>

					<p>filtration</p> <p>2.Continuous ambulatory/automatic peritoneal dialysis (CAPD/APD)</p> <p>3.Advantage and disadvantage between HD and PD</p> <p>D.Continuous renal replacement therapy (CRRT):</p> <p>1.Basic principle of CRRT for critical patients</p> <p>2.Indication for CRRT</p> <p>3.Advantage and disadvantage between CRRT and IHD (intermittent HD)</p> <p>E.Renal transplantation</p>
24	2013-08-19 (一)	7 - 8	2	醫學系內科 林恕民	<p>1. Respiratory function and pulmonary diagnostic procedure</p> <p>2. Pneumonia, Lung abscess, and Tuberculosis</p>
25	2013-08-19 (一)	9 - 9	1	醫學系 田亞中	Hereditary diseases of the kidney; renovascular disease
26	2013-08-20 (二)	1 - 2	2	醫學系 王宏銘	Introduction of medical oncology
27	2013-08-20 (二)	3 - 4	2	中醫系 謝明哲	Prevention of atherosclerosis; Coronary artery disease
28	2013-08-20 (二)	7 - 8	2	醫學系 李明勳	Salmonellosis and infective diarrhea
29	2013-08-22 (四)	1 - 2	2	中醫系 李振宏	Applied cardiovascular anatomy & physiology; Physical examination of the heart
30	2013-08-22 (四)	3 - 3	1	醫學系 謝宜璋	Cardiac catheterization & hemodynamics
31	2013-08-22 (四)	4 - 4	1	醫學系 尤俊成	Glomerular diseases
32	2013-08-22 (四)	7 - 8	2	中醫系 林鴻銓	<p>1.Interstitial lung diseases</p> <p>2.Disorders of ventilation, including sleep apnea</p>
33	2013-08-23 (五)	4 - 4	1	醫學系內科 吳丁樹	Fever and fever of unknown origin
34	2013-08-23 (五)	5 - 5	1	醫學系 蘇文珍	Congenital heart disease

35	2013-08-23 (五)	7 - 8	2	醫學系內科 何輝煌	RA, Spondyloarthropathy, Crystal arthritis, OA, Infectious arthritis
36	2013-08-23 (五)	9 - 9	1	醫學系內科 連昭明	Gastrointestinal emergency
37	2013-08-26 (一)	2 - 3	2	中醫系 王圳華	1. Asthma 2. Bronchiectasis, Environmental lung diseases and Hypersensitivity pneumonitis
38	2013-08-27 (二)	1 - 2	2	中醫學系內科 蔡銘鴻	Complication of Liver Cirrhosis and Portal Hypertension
39	2013-08-27 (二)	3 - 4	2	醫學系內科 鄧波	Approach to Anemia, Anemia of Chronic Disorder, Nutritional Anemia, Hemolytic Anemia A.Iron deficiency anemia: iron absorption, iron metabolism, clinical feature of iron deficiency, diagnosis of IDA, treatment of IDA B.megaloblastic anemia: Vit B12 and folic acid in the DNA synthesis and clinical features of Vit B12 and folic acid deficiency C.introduce pernicious anemia D.introduce hemolytic anemia, intrinsic vs extrinsic, intravascular vs extravascular E.pathogenesis, clinical features and treatment of warm-type hemolytic anemia F.pathogenesis, clinical features and treatment of cold-type hemolytic anemia G.Clinical features and causes of microangiopathic hemolytic anemia H.Clinical features, pathogenesis, diagnosis and treatment of TTP
40	2013-08-27 (二)	5 - 6	2	醫學系內科 陳仁熙	Principles and applications of diagnostic methods in oncologic patients
41	2013-08-27 (二)	7 - 8	2	醫學系內科 邱正堂	Disease of pancreas
42	2013-08-28 (三)	2 - 2	1	醫學系內科 呂學重	AID'S & Sexual transmitted diseases
43	2013-08-28 (三)	3 - 4	2	醫學系內科 呂學重	Deep and systemic fungal infections

44	2013-08-28 (三)	7 - 8	2	醫學系內科 鄭惠信	International Travel Medicine in Family Practice
45	2013-08-28 (三)	9 - 9	1	醫學系內科 張家昌	Disease of esophagus, stomach & duodenum 學習 目標：食道疾病之臨床表現, 診斷, 治療及預 後。大綱： A. Anatomy and structural anomalies: 1. Trache oesophageal fistula 2. Congenital duplication 3. Aortic arch vessel abnormality 4. Heterotopic gastric mucosa 5. Esophageal ring 6. Esophag eal web 7. Esophageal diverticulum 8. Hiatus herniaB. Esophageal motility disorder: Achalasia C. Gastroesophageal reflux disease and Barrett's e sophagusD. Esophageal infections: 1. Candida e sophagitis 2. Herpes simplex virus esophagitis 3. Cytomegalovirus esophagitis 4. Mycobacteri al esophagitis E. Esophageal neoplasms 1. Beni gn neoplasms 2. Malignant neoplasms: squamo us cell carcinoma and adenocarcinomaF. Esophag eal trauma: 1. Mallory-Weiss syndrome 2. Boer haave syndrome 3. Iatrogenic esophageal perfora tion
46	2013-08-29 (四)	1 - 2	2	中醫學系內科 林仁德	Disorders of the thyroid
47	2013-08-29 (四)	3 - 3	1	中醫系 王朝永	Genetic & molecular cardiology; Metabolic syndr ome
48	2013-08-29 (四)	4 - 4	1	中醫系 黃禹堯	Endocrinology Overview.
49	2013-08-29 (四)	7 - 7	1	醫學系 李麒麟	Adrenal & reproductive disorders
50	2013-08-29 (四)	8 - 8	1	中醫系 戴達英	Autoimmue liver disease
51	2013-08-30 (五)	2 - 2	1	醫學系內科 簡竹君	Renal transplantation; Systemic diseases and the k idney;
52	2013-08-30 (五)	3 - 4	2	護理系 何正	Disorders of the pituitary and hypothalamus

53	2013-08-30 (五)	5 - 5	1	中醫系 許瑞旭	Mineral metabolism: parathyroid disorders and metabolic bone diseases
54	2013-08-30 (五)	7 - 8	2	醫學系 林政輝	Disease of gallbladder & bile duct
55	2013-09-02 (一)	5 - 5	1	醫學系內科 張明揚	Renal tubular disease
56	2013-09-02 (一)	6 - 7	2	醫學系內科 朱嘉明	<p>Acute viral hepatitis</p> <p>A.Virology of Hepatitis agents: HAV, HBV, HCV, HDV, HEV</p> <p>B.Clinical features, Epidemiology and prevention of viral hepatitis: HAV, HBV, HCV, HDV, HEV</p> <p>C.Simplified Serodiagnosis of Acute Viral Hepatitis: IgM anti-HAV, HBsAg, IgM anti-HBc, anti-HCV (or HCV RNA)</p> <p>D.Clinical Spectrum of Acute Viral Hepatitis</p> <ol style="list-style-type: none"> 1. Typical acute hepatitis <ol style="list-style-type: none"> (1).Incubation period (2).Prodromal phase (3).Icteric phase (4).Convalescent phase 2. Atypical acute hepatitis <ol style="list-style-type: none"> (1).Benign variant <ol style="list-style-type: none"> a.Cholestatic hepatitis b.Relapsing hepatitis (2).Life-threatening variant <ol style="list-style-type: none"> a.subacute (bridging) hepatic necrosis b.Fulminant hepatic failure <p>E.Pathology of acute viral hepatitis</p> <p>F.Subacute hepatic necrosis—definition and clinical manifestation</p> <p>G.Fulminant hepatitis—definition and clinical spectrum</p> <p>H.Treatment of acute viral hepatitis</p> <ol style="list-style-type: none"> 1.Lamivudine or other oral antiviral agent treatment in acute hepatitis B 2.Interferon treatment in acute hepatitis C 3.Liver transplantation in fulminant hepatitis

57	2013-09-02 (一)	8 - 8	1	醫學系內科 謝森永	Toxic and drug-induced hepatitis
58	2013-09-02 (一)	9 - 9	1	醫學系內科 謝森永	Alcoholic liver disease
59	2013-09-03 (二)	1 - 1	1	醫學系 林偉彬	Peptic ulcer and related disorders
60	2013-09-03 (二)	2 - 2	1	醫學系內科 陳益程	Infiltrative and metabolic liver disease
61	2013-09-03 (二)	3 - 3	1	醫學系內科 王博南	Hematopoietic Stem Cell Transplantation
62	2013-09-03 (二)	5 - 6	2	醫學系內科 蘇銘堯	Disease of small & large intestine
63	2013-09-03 (二)	7 - 8	2	醫學系 郭明宗	Aplastic Anemia, Paroxysmal Nocturnal Hemoglobinuria, Myeloproliferative Disorder, Myelodysplastic Syndrome
64	2013-09-04 (三)	1 - 1	1	醫學系內科 黃正誼	Urinary tract infection; Nephrolithiasis; Urinary tract obstruction
65	2013-09-04 (三)	2 - 3	2	醫學系病理學 科 張鴻	Hemostatic Disorder
66	2013-09-04 (三)	4 - 4	1	醫學系內科 許翔皓	Chronic renal failure: pathophysiological and clinical considerations
67	2013-09-04 (三)	5 - 6	2	醫學系內科 程文俊	Congestive heart failure and cardiovascular pharmacology * Hypertension, hypertensive cardiovascular disease, and antihypertensive therapy
68	2013-09-04 (三)	7 - 8	2	醫學系內科 施麗雲	Leukemia
69	2013-09-04 (三)	9 - 10	2	醫學系 陳銘賢	Rheumatic fever & valvular heart disease
70	2013-09-09 (一)	5 - 5	1	醫學系 林樹福	CBL--Meta
71	2013-09-10 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest

72	2013-09-10 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
73	2013-09-10 (二)	7 - 7	1	醫學系 洪玉馨	CBL--Hema
74	2013-09-11 (三)	6 - 6	1	醫學系內科 沈雯琪	CBL--Onco
75	2013-09-12 (四)	2 - 2	1	物治系 賴振宏	CBL--Rheuma
76	2013-09-12 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
77	2013-09-13 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM
78	2013-09-13 (五)	5 - 5	1	醫學系內科 高振益	醫學倫理-簽署 DNR 的原則及注意事項
79	2013-09-13 (五)	6 - 6	1	醫學系內科 陳益程	CBL--GI
80	2013-09-17 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
81	2013-09-17 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
82	2013-09-17 (二)	5 - 5	1	醫學系 黃瓊慧	CBL--Meta
83	2013-09-17 (二)	6 - 6	1	醫學系 郭漢彬	CBL--Onco
84	2013-09-17 (二)	7 - 7	1	醫學系 洪玉馨	CBL--Hema
85	2013-09-17 (二)	8 - 8	1	中醫系 吳健嘉	CBL--CV
86	2013-09-18 (三)	2 - 2	1	醫學系內科 余光輝	CBL--Rheuma
87	2013-09-18 (三)	4 - 4	1	醫學系 劉茂森	CBL--GM
88	2013-09-18	5 - 5	1	醫學系內科	Endocrine function test 病例討論:

	(三)			林嘉鴻	Hyperthyroidism, Diabetes Mellitus
89	2013-09-18 (三)	7 - 7	1	醫學系 郭漢彬	CBL--CV
90	2013-09-24 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
91	2013-09-24 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
92	2013-09-24 (二)	6 - 6	1	醫學系 周文其	CBL--Onco
93	2013-09-24 (二)	7 - 7	1	醫學系 洪玉馨	CBL--Hema
94	2013-09-25 (三)	2 - 2	1	物治系 賴振宏	CBL--Rheuma
95	2013-09-25 (三)	5 - 5	1	醫學系 許朝偉	Liver function test 病例討論:(12:45~13:45) Hepatitis B, Obstructive jaundice
96	2013-09-26 (四)	4 - 4	1	醫學系 蔡之祐	CBL--Meta
97	2013-09-26 (四)	5 - 5	1	醫學系內科 黃建達	敘事醫學 Narrative Medicine 病例討論
98	2013-09-26 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
99	2013-09-27 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM
100	2013-09-30 (一)	5 - 5	1	醫學系 蔡松昇	CBL--Meta
101	2013-10-01 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
102	2013-10-01 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
103	2013-10-01 (二)	8 - 8	1	中醫系 吳健嘉	CBL--CV
104	2013-10-02 (三)	2 - 2	1	醫學系內科 余光輝	CBL--Rheuma

105	2013-10-02 (三)	5 - 5	1	中醫系 楊政皓	抗生素使用與感染病例討論 -Infective endocarditis, Urinary tract infection
106	2013-10-02 (三)	6 - 6	1	醫學系 廖繼鼎	CBL--Onco
107	2013-10-03 (四)	5 - 5	1	醫學系 黃文宏	ABG 病例討論: Metabolic alkalosis, respiratory alkalosis
108	2013-10-03 (四)	7 - 7	1	醫學系 郭明宗	CBL--Hema
109	2013-10-03 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
110	2013-10-04 (五)	4 - 4	1	醫學系 劉茂森	CBL--GM
111	2013-10-04 (五)	6 - 6	1	醫學系內科 陳威廷	CBL--GI
112	2013-10-04 (五)	7 - 7	1	醫學系 郭漢彬	CBL--CV
113	2013-10-07 (一)	5 - 5	1	醫學系內科 林嘉鴻	CBL--Meta
114	2013-10-08 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
115	2013-10-08 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
116	2013-10-08 (二)	8 - 8	1	中醫系 吳健嘉	CBL--CV
117	2013-10-09 (三)	2 - 2	1	物治系 賴振宏	CBL--Rheuma
118	2013-10-09 (三)	5 - 5	1	醫學系內科 葉森洲	EKG 病例討論:STEMI, Atrial fibrillation
119	2013-10-09 (三)	6 - 6	1	醫學系內科 林永昌	CBL--Onco
120	2013-10-11 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM
121	2013-10-11	7 - 7	1	醫學系	CBL--Hema

	(五)			林棟樑	
122	2013-10-14 (一)	7 - 8	2	醫學系內科 溫明賢	期中考-CV+Rheu
123	2013-10-15 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
124	2013-10-15 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
125	2013-10-15 (二)	6 - 8	3	中醫系 林鴻銓	期中考-Chest+Neph+Infection
126	2013-10-16 (三)	2 - 2	1	醫學系內科 余光輝	CBL--Rheuma
127	2013-10-16 (三)	6 - 6	1	醫學系內科 張文震	CBL--Onco
128	2013-10-17 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
129	2013-10-17 (四)	7 - 7	1	醫學系 李信賦	CBL-CV
130	2013-10-17 (四)	7 - 7	1	醫學系病理學 科 張鴻	CBL--Hema
131	2013-10-18 (五)	4 - 4	1	醫學系 劉茂森	CBL--GM
132	2013-10-18 (五)	5 - 5	1	中醫系 林承緯	CBL--Meta
133	2013-10-18 (五)	6 - 6	1	醫學系內科 陳益程	CBL--GI
134	2013-10-21 (一)	7 - 7	1	醫學系 王誌慶	CBL--Meta
135	2013-10-22 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
136	2013-10-22 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
137	2013-10-23	2 - 2	1	物治系	CBL--Rheuma

	(三)			賴振宏	
138	2013-10-23 (三)	5 - 5	1	醫學系 謝孟亨	CXR 病例討論: Pneumonia, Pleural effusion
139	2013-10-23 (三)	6 - 6	1	醫學系 郭漢彬	CBL--Onco
140	2013-10-25 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM
141	2013-10-25 (五)	7 - 7	1	醫學系內科 王博南	CBL--Hema
142	2013-10-28 (一)	5 - 5	1	醫學系 王智亮	CXR 病例討論: Lung cancer, Pneumothorax
143	2013-10-29 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
144	2013-10-29 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
145	2013-10-30 (三)	2 - 2	1	醫學系內科 余光輝	CBL--Rheuma
146	2013-10-30 (三)	5 - 5	1	醫學系內科 羅淑芬	Synovial fluid and Autoimmune marker 病例討論: Arthritis, SLE
147	2013-10-30 (三)	6 - 6	1	醫學系內科 廖宗琦	CBL--Onco
148	2013-10-30 (三)	7 - 7	1	醫學系 郭漢彬	CBL--Hema
149	2013-10-31 (四)	4 - 4	1	醫學系 蔡之祐	CBL--Meta
150	2013-10-31 (四)	5 - 5	1	醫學系內科 沈雯琪	Tumor marker 病例討論: Prostate cancer, Colon cancer
151	2013-10-31 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
152	2013-11-01 (五)	4 - 4	1	醫學系 劉茂森	CBL--GM
153	2013-11-01 (五)	6 - 6	1	醫學系內科 陳威廷	CBL--GI

154	2013-11-01 (五)	7 - 7	1	醫學系 郭漢彬	CBL-CV
155	2013-11-05 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
156	2013-11-05 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
157	2013-11-05 (二)	8 - 8	1	中醫系 吳健嘉	CBL--CV
158	2013-11-06 (三)	2 - 2	1	物治系 賴振宏	CBL--Rheuma
159	2013-11-07 (四)	4 - 4	1	醫學系 蔡之祐	CBL--Meta
160	2013-11-07 (四)	5 - 5	1	醫學系 劉鳳炫	Endocrine function test 病例討論: Hypothyroidism, adrenal insufficiency
161	2013-11-07 (四)	6 - 6	1	醫學系內科 楊再勝	CBL--Onco
162	2013-11-07 (四)	7 - 7	1	醫學系內科 鄧波	CBL--Hema
163	2013-11-07 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
164	2013-11-08 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM
165	2013-11-11 (一)	5 - 5	1	醫學系 郭漢彬	CBL--Meta
166	2013-11-12 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
167	2013-11-12 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
168	2013-11-13 (三)	2 - 2	1	醫學系內科 余光輝	CBL--Rheuma
169	2013-11-13 (三)	5 - 5	1	醫學系 鄭鈞文	抗生素使用與感染病例討論: Tuberculosis, Cellulitis
170	2013-11-13	7 - 7	1	醫學系內科	CBL--Hema

	(三)			吳金和	
171	2013-11-14 (四)	5 - 5	1	醫學系 洪玉馨	CBC/DC, PB smear 病例討論: Iron deficiency anemia, Pernicious anemia
172	2013-11-14 (四)	6 - 6	1	醫學系 郭漢彬	CBL--Onco
173	2013-11-14 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
174	2013-11-15 (五)	4 - 4	1	醫學系 劉茂森	CBL--GM
175	2013-11-15 (五)	5 - 5	1	醫學系 陳冠興	ABG 病例討論: Metabolic acidosis, Respiratory acidosis
176	2013-11-15 (五)	6 - 6	1	醫學系內科 陳益程	CBL--GI
177	2013-11-15 (五)	7 - 7	1	醫學系 郭漢彬	CBL--CV
178	2013-11-18 (一)	5 - 5	1	醫學系 郭漢彬	CBL--Meta
179	2013-11-19 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
180	2013-11-19 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
181	2013-11-19 (二)	8 - 8	1	中醫系 吳健嘉	CBL--CV
182	2013-11-20 (三)	2 - 2	1	物治系 賴振宏	CBL--Rheuma
183	2013-11-20 (三)	7 - 7	1	醫學系 郭漢彬	CBL--Hema
184	2013-11-21 (四)	6 - 6	1	醫學系 郭漢彬	CBL--Onco
185	2013-11-21 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
186	2013-11-22 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM

187	2013-11-25 (一)	5 - 5	1	醫學系 郭漢彬	CBL--Meta
188	2013-11-25 (一)	7 - 8	2	醫學系內科 邱正堂	期末考-GI+GM
189	2013-11-26 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
190	2013-11-26 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
191	2013-11-26 (二)	6 - 8	3	中醫系 黃禹堯	期末考--Hema+Onco+Meta
192	2013-11-27 (三)	2 - 2	1	醫學系內科 余光輝	CBL--Rheuma
193	2013-11-28 (四)	6 - 6	1	醫學系 郭漢彬	CBL--Onco
194	2013-11-28 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
195	2013-11-28 (四)	7 - 7	1	醫學系 李信賦	CBL-CV
196	2013-11-29 (五)	4 - 4	1	醫學系 劉茂森	CBL--GM
197	2013-11-29 (五)	6 - 6	1	醫學系內科 湯崇志	CBL--Hema
198	2013-11-29 (五)	6 - 6	1	醫學系內科 陳威廷	CBL--GI
199	2013-12-02 (一)	5 - 5	1	醫學系 林樹福	CBL--Meta
200	2013-12-03 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
201	2013-12-03 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
202	2013-12-03 (二)	6 - 6	1	醫學系 徐正龍	CBL--Onco
203	2013-12-03	7 - 7	1	醫學系	CBL--Hema

	(二)			洪玉馨	
204	2013-12-03 (二)	8 - 8	1	中醫系 吳健嘉	CBL--CV
205	2013-12-04 (三)	2 - 2	1	物治系 賴振宏	CBL--Rheuma
206	2013-12-04 (三)	5 - 5	1	醫學系 林宗豪	老人常見疾病病例討論: Dementia and Depression
207	2013-12-05 (四)	5 - 5	1	醫學系內科 黃建達	Pulmonary function test 病例討論 COPD, Asthma
208	2013-12-05 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
209	2013-12-06 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM
210	2013-12-09 (一)	5 - 5	1	醫學系 林樹福	CBL--Meta
211	2013-12-10 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
212	2013-12-10 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
213	2013-12-10 (二)	6 - 6	1	醫學系 郭漢彬	CBL--Onco
214	2013-12-10 (二)	7 - 7	1	醫學系內科 周星賢	CBL-CV
215	2013-12-11 (三)	2 - 2	1	醫學系內科 余光輝	CBL--Rheuma
216	2013-12-12 (四)	5 - 5	1	醫學系內科 黃建達	Professionalism: Nominal Group Technique
217	2013-12-12 (四)	7 - 7	1	醫學系 郭明宗	CBL--Hema
218	2013-12-12 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
219	2013-12-13 (五)	4 - 4	1	醫學系 劉茂森	CBL--GM

220	2013-12-13 (五)	6 - 6	1	醫學系內科 陳益程	CBL--GI
221	2013-12-16 (一)	5 - 5	1	醫學系 林樹福	CBL--Meta
222	2013-12-17 (二)	3 - 3	1	醫學系內科 黃建達	CBL--Chest
223	2013-12-17 (二)	4 - 4	1	中醫系 楊政皓	CBL--Infection diseases
224	2013-12-17 (二)	6 - 6	1	醫學系內科 高振益	CBL--Onco
225	2013-12-17 (二)	8 - 8	1	中醫系 吳健嘉	CBL--CV
226	2013-12-18 (三)	2 - 2	1	物治系 賴振宏	CBL--Rheuma
227	2013-12-19 (四)	5 - 5	1	醫學系內科 黃建豪	GI function test 病例討論: Alcoholic hepatitis, Pancreatitis
228	2013-12-19 (四)	7 - 7	1	醫學系內科 鄭昌錡	CBL--Neph
229	2013-12-19 (四)	7 - 7	1	醫學系 林棟樑	CBL--Hema
230	2013-12-20 (五)	4 - 4	1	醫學系內科 蒲秀瑾	CBL--GM

課程名稱：小兒科學 Pediatrics

學年：102

學期：1

年級：5

課程大綱

教科書：

1. Behrman: Nelson: Textbook of Pediatrics, 18th Ed, 2007, Saunders, Philadelphia
2. Mcmillan, Deangelis, Feigin & Wavshaw: Oski's Pediatrics: Principles and Practice, 4th Ed. 2006. W&W
3. Colin D. Rudolph (ed.): Rudolph's Pediatrics, 21th ed. 2003, McGraw-Hill .NY
4. Taeusch: Avery's Diseases of the Newborn, 8th Ed. 2005. Saunders

參考書：

1. Scriver, Beaudet, Sly and Valle:
The metabolic Basis of Inherited Diseases, Mc Graw-Hill 8th Ed.
2. Nathan & Oski Ed.:
Hematology of Infancy and Childhood, Saunders Co., 2009(7th ed.)
3. Oncology of Infancy of Childhood (Nathan and Oski), 1st edition, 2009
4. Pizzo & Poplack: Principle & Practice of Pediatric Oncology, 2011 (6th ed.)
5. Manual of Pediatric Hematology/Oncology (Lanzkowsky), 5th edition, 2010
6. Feign & Cherry:
Textbook of Pediatric Infectious Disease, Saunders Co. 6th ed. 2009
7. C. Warren Bierman: Allergic Disease of Infancy Childhood and Adolescence
8. Thompson & Thompson: Genetics in Medicine, W.B. Saunders Co. 7th 2007
9. Krugman & Katz: Infection Diseases of Children, C.V. Mosby Company
10. J.T. Cassidy, R.E. Petty:
Textbook of Pediatric Rheumatology, 5th Ed., 2006, W.B. Saunders Co.
11. Stiehm:
Immunologic Disorders in Infants & Children, 5th Ed., 2004, W.B. Saunders Co.
12. Walker's Pediatric Gastrointestinal Disease, Physiology, Diagnosis and Management, 5th Ed., 2010
13. Fanaroff & Martin: Neonatal-Perinatal Medicine, 8th Ed., 2006
14. Swaiman: Pediatric Neurology. Practice and Principle, 4th Ed. 1997, Mosby
15. Pediatric Cardiology for Practitioners. 5th 2007.
16. Moss and Adams. Heart Disease in Infants, Children and Adolescents Including the Fetus and Young Adult. 7th. 2008.
17. Pediatric Pulmonology, American Academy of Pediatrics, Michael J. Light, MD, FA

AP, 2011

18.Brrok CGD, Hindmarsh PC:

Clinical Pediatric Endocrinology 6th ed.2009. Blackwell Science

19.AD Slonin: Pediatric Critical Care Medicine, LWW 2006

20.M Gausche-Hill:

The Pediatric Emergency Medicine Resource 4th edition, Jones and Barlett 2006

21.Ellis D. Avner, William E. Harmon, Patrick Niaudet. Pediatric Nephrology, 6th ed. 2009. Lippincott William & Wilkins

22.Nicholas Webb, Robert Postlethwaite. Clinical Paediatric Nephrology, 3rd ed. 2003. Oxford

整體教學目標：

此兒科學課程乃為醫學系五年級學生所提供，其教學目標在於培養及教導一般醫者對於兒科醫學應有的基本知識，尤其著重嬰兒、兒童及青少年各階段的正常生長、發育；兒科常見疾病之生理病理學和學習其診斷、處置及預防之方法。使醫學生能夠具有一般醫者對維護嬰兒、兒童及青少年身心健康該有的知識、技巧及其專業精神，同時養成為兒童健康維護者角色的認知。

教學方法：

兒科學以問題導向的小組研討主動學習方式為主，佐以課堂上由教師講授整理兒科學之特質精髓為輔，以達成學生學習的目標。見習則以實際臨床接觸門診及住診病患，學習問診、理學檢查、檢驗資料整理推想等診斷技巧及治療照護；並以實際加入醫療團隊之方式，揣臨師長兒科醫師應有的專業態度，因而兒科學與見習為缺一不可之同體。

中文課程簡介：

本課程乃為學生提供兒科學基本知識而設計，在一學年的時間內依序認知嬰孩、兒童及青少年的正常身心成長與發育；接著以介紹器官系統為導向，常見的兒科疾病：分為及急性病、慢性病及其常見之症狀；兒童疾病一般治療方式與預後；兒童疾病及傷害之預防，另外特別強調嬰兒及其青少年期特有的問題、醫學遺傳及醫學和先天異常，以及如何確保兒童福祉。

英文課程簡介：

This course of pediatric medicine is designed for the 5th year medical students to provide them with the introductory knowledge and skills required for the management of infants, children, and adolescents. After completing the course, students are expected to have sufficient insight in managing pediatric patients as a general physician, and to be prepared to go into further study in pediatrics if they wish to. Emphasis of the stud

y of this course will be place on the specific characteristics in the field of pediatrics; factors that may influence the well-being of pediatric patients; and how to provide pediatric population with the best prospect for becoming mature adults. The curriculum includes normal growth and development of fetus, infants, children and adolescents; common pediatric diseases and the prevention; common symptoms and signs seen in children; and skills in approaching pediatric patients. Topics unique in infants and adolescents, in children with special needs, and the social-environmental impact on the health and welfare of pediatric population will be discussed. Learning objectives are proficient knowledge in general pediatrics, professionalism as a pediatrician, skills in obtaining medical history from care taker and children themselves, and comprehensive physical examination in infants and toddlers. After completing the course, students should be able to derive a rational differential diagnosis and plan for therapy based on clinical information they gathered.

成績考核：

學生學習成果之評估方式乃根據筆試成績，PBL 小組討論之參與貢獻及臨床表現成績而給予。臨床表現包括專業態度、臨床診察及處置技巧、基本知識之運用及團隊精神等。

教學進度

項次	上課日期/星期	開始/結束節次	時數	授課教師	教學進度
1	2013-08-12 (一)	2 - 3	2	醫學系小兒科 王輝雄	<p>The field of pediatrics 學習目標及大綱： 介紹兒科學的領域，經由過去、現在與未來的發展，認識兒科學的重要性，進而建立以兒科學為終生志業的興趣。</p> <p>Growth and Development 學習目標及大綱： 成長(growth)是量的增加，發育(development)是質的進步，二者相輔相成，造就了原本啥都不會的新生兒成為最後啥都會的成年人，學生必須學會成長曲線的紀錄與解讀，及本院復健科發展出來的簡易兒童發展評估。</p>
2	2013-08-12	5 - 6	2	醫學系小兒科	Encephalopathy and CNS diseases

	(一)			林光麟	學習目標及大綱： 1.Neuro cutaneous Disorder---Tuberous sclerosis 2.Neurobehavior Disorder---Tourette syndrome 3.Non-epileptic paroxysmal Disorder ---Headache ----Breath Holding Spell ---Syncope 4.Brain Injury ---Inflicted Childhood Neuro trauma ---Hypoxic-Ischemic Encephalopathy in infants and older children ---Increased Intra cranial Pressure 5.Vascular Disorders of CNS ---cerebro-vascular Disease
3	2013-08-12 (一)	7 - 8	2	醫學系小兒科 楊鵬弘	Neonatal Pulmonary Diseases 學習目標及大綱： 1.了解早產兒及足月新生兒肺部發育之差異 2. 何謂新生兒呼吸窘迫 3. 早產兒容易發生之肺部疾病及病理機轉 4. 足月兒容易發生之肺部疾病及病理機轉 5. 上述疾病之併發症、處置與預防
4	2013-08-13 (二)	2 - 3	2	醫學系小兒科 邱政洵	Bacterial infections in children: mechanisms and clinical features 學習目標及大綱： 兒童常見細菌感染的流行病學，疾病臨床表現，致病機轉，治療及預後。
5	2013-08-13 (二)	7 - 8	2	醫學系 陳世翔	Hematology(I) 學習目標及大綱： 1.Pancytopenia and bone marrow failure syndrome 2.Anemia of inadequate production 3.Hemorrhagic diseases in children 4.Purpura in children 5.Thrombotic disorders in children
6	2013-08-14	3 - 4	2	醫學系	Fetal-to-Neonatal Transition and Initial Asses

	(三)			林瑞瑩	<p>sment of the Newborn Infant 學習目標及大綱：</p> <ol style="list-style-type: none"> 1.台灣本土的出生生命統計 2.胎兒與新生兒在血液循環、呼吸、體溫調節及血糖控制上的差異轉承 3.如何評估新生兒的成熟度 (maturity), 子宮內生長情況 (intrauterine growth), 及剛出生時之心肺功能 (Apgar score) 4.造成子宮內生長異常 (LGA 及 SGA) 常見之原因, 及其對新生兒可能造成之影響 5.常見之生產傷害, 包括生產窒息
7	2013-08-14 (三)	5 - 6	2	醫學系 傅仁輝	<p>Neonatal hyperbilirubinemia and Neonatal sepsis 學習目標及大綱：</p> <p>A)Bilirubin metabolism Etiology and management of neonatal hyperbilirubinemia: physiological and pathological Breast feeding jaundice / Breast milk jaundice Kernicterus</p> <p>B)Early onset sepsis and late onset sepsis of the newborn infant Neonatal Group B streptococcus infection Neonatal enterovirus infection Neonatal invasive fungal infection Symptoms / Diagnosis / Treatment / Prognosis / Prevention</p>
8	2013-08-14 (三)	7 - 8	2	中醫學系兒科 黃玉成	<p>1.Viral infections in children 2. Immunization 學習目標及大綱：</p> <ol style="list-style-type: none"> 1.各種常見病毒感染症介紹 2.預防接種的介紹
9	2013-08-15 (四)	2 - 3	2	醫學系 鍾宏濤	<p>Update on cardiovascular pharmacology in children 學習目標及大綱：</p> <p>兒童常見心臟血管藥物之藥理機轉及臨床使用</p>

10	2013-08-15 (四)	5 - 6	2	醫學系 賴明璋	AGE, dehydration and therapy 學習目標及大綱： 1.Understanding the definition, causes and natural course of acute diarrhea 2.Understanding the intestinal absorptive & secretory physiology of electrolyte/water in normal & disease condition 3.Understanding the principles of management in acute gastroenteritis 4.Understanding the concept of maintenance fluid, the body distribution of fluid in different age, the concept of fluid loss in different disorders 5.Understanding the assessment of dehydration 6.Understanding the principles of re-hydration
11	2013-08-15 (四)	7 - 8	2	醫學系小兒科 黃健燊	Pulmonology and airway diseases 學習目標及大綱： 1.Anatomy of the upper airway 2.Congenital airway diseases 3.Genetic syndromes affecting breathing 4.Infection airway diseases 5.Developmental anatomy of the lower respiratory tract
12	2013-08-16 (五)	1 - 2	2	醫學系 周明亮	Neuromuscular diseases and peripheral neuropathy 學習目標及大綱： 介紹 Lower motor unit disorder 先介紹其臨床上的症狀，而後介紹在兒科常見的 Lower motor unit disorder.包括:Anterior horn cell disorder, Peripheral Nerve disorder, Neuro muscular junction disorder, muscle disease.
13	2013-08-16 (五)	3 - 4	2	醫學系小兒科 洪伯誠	Seizure disorders in children 學習目標及大綱： 1.癲癇的定義

					<ul style="list-style-type: none"> 2.癲癇的盛行率 3.癲癇的原因 4.癲癇的分類 5.癲癇的診斷 6.癲癇的鑑別診斷 7.癲癇的治療 8.熱性痙攣
14	2013-08-16 (五)	5 - 6	2	醫學系小兒科 夏紹軒	<p>Pediatric emergency medicine</p> <p>學習目標及大綱： 兒童急重症的診斷與處理及最新 APLS 訓練內容</p>
15	2013-08-16 (五)	7 - 8	2	醫學系小兒科 黃璟隆	<p>Pediatric rheumatology</p> <p>學習目標及大綱：</p> <ul style="list-style-type: none"> 1.兒童風濕病與成人風濕病不同的原因 2.兒童風濕病常見的疾病 3.學習 Juvenile idiopathic arthritis 4.學習 <p>Pediatric-onset systemic lupus erythematosus</p> <ul style="list-style-type: none"> 5.學習 Kawasaki disease 6.學習 Henoch Scholein purpura
16	2013-08-19 (一)	5 - 6	2	醫學系小兒科 楊兆平	<p>Hematology(II)</p> <p>學習目標及大綱：</p> <ul style="list-style-type: none"> 1.Hereditary hemolytic anemia (1)Hereditary spherocytosis (2)G6PD deficiency (3)Thalassemia 2.Non-neoplastic WBC disorders 3.Pediatric transfusion therapy
17	2013-08-19 (一)	7 - 8	2	醫學系小兒科 林如立	<p>Medical genetics and diseases</p> <p>學習目標及大綱：</p> <ul style="list-style-type: none"> 1.The genetic approach in pediatric medicine The burden of genetic disorders in childhood The changing paradigm of genetics in medicine. Genetics and pediatric practice. Ethical issues.

				<p>2.The Human Genome Fundamentals of molecular genetics. Genetic variation. Genotype-phenotype correlations in genetic disease. Human genome project. Patterns of genetic transmission</p> <p>3.Patterns of genetic transmission Family history and pedigree notation. Mendelian inheritance Autosomal dominant inheritance. Autosomal recessive inheritance. Pseudodominant inheritance. X-linked inheritance. Y-linked inheritance. Digenic inheritance. Pseudogenetic inheritance and familial clustering. Nontraditional inheritance Mitochondrial inheritance. Triplet repeat expansion disorders. Genetic imprinting. Multifactorial/polygenic inheritance.</p> <p>4.Cytogenetics Methods of chromosome analysis. Abnormalities of chromosome number Aneuploidy and polyploidy. Abnormalities of chromosome structure Translocations. Inversions. Deletions and duplications. Insertions. Isochromosomes. Marker and ring chromosomes. Sex chromosome aneuploidy. Fragile sites. Mosaicism. Chromosome instability syndromes. Uniparental disomy.</p>
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					<p>Imprinting.</p> <p>Acquired cytogenetic abnormalities.</p> <p>Prenatal diagnosis.</p> <p>5.Genetics of common disorders</p> <p>Major genetic approaches to the study of common pediatric disorders</p> <p>Linkage mapping.</p> <p>Genetic association.</p> <p>Current understanding of genetics of common disorders in children</p> <p>Type 1 diabetes mellitus</p> <p>Obesity</p> <p>Asthma</p> <p>6.Integration of genetics into pediatric practice</p> <p>Genetic testing</p> <p>Diagnostic testing</p> <p>Predictive testing</p> <p>Predispositional testing</p> <p>Pharmacogenetic testing</p> <p>Genetic counseling</p> <p>Management and treatment of genetic disorders</p> <p>(Nelson: Part IX – Human Genetics)</p>
18	2013-08-20 (二)	1 - 2	2	醫學系 蘇文珍	<p>Congenital heart disease</p> <p>學習目標及大綱：</p> <p>介紹各種先天性心臟病之臨床診斷、解剖病變、血流動力學之變化以及開刀時機。</p> <p>A.非發紺性心臟病</p> <p>Ventricular septal defect</p> <p>Atrial septal defect</p> <p>Patent ductus arteriosus</p> <p>Coarctation of Aorta</p> <p>Aortic stenosis</p> <p>Pulmonary stenosis</p> <p>B.發紺性心臟病</p> <p>Tetralogy of fallot</p> <p>Transposition of Arteries Pulmonary atresia</p>

					a with intact IVS Total anomalous venous return
19	2013-08-20 (二)	7 - 8	2	醫學系 施一新	<p>Dermatological manifestation of common pediatric diseases</p> <p>學習目標及大綱：</p> <p>1. 新生兒皮膚疾病</p> <p>Transient skin rashes (E.T.N., Seb. Hyperplasia...etc.)</p> <p>Birthmarks (vascular, pigmentary and other nevi)</p> <p>Genodermatosis</p> <p>Dermatitis (Seb.D and Atopic D)</p> <p>Diaper rashes and candidiasis</p> <p>2. 兒童皮膚疾病</p> <p>Dermatitis</p> <p>Infections(Bacterial, Viral and Fungal)</p> <p>Allergies and drug eruptions</p> <p>Insect bites and infestations</p> <p>Hair and nail problems</p> <p>Autoimmune and bullous dermatosis</p> <p>Skin tumors</p> <p>Miscellaneous</p>
20	2013-08-22 (四)	2 - 3	2	醫學系小兒科 趙舜卿	<p>Hepatobiliary system</p> <p>學習目標及大綱：</p> <p>1. 瞭解肝膽的生理功能與黃疸之成因</p> <p>2. 瞭解基本肝膽生化功能與臨床生化檢驗值之判讀</p> <p>3. 兒童肝炎之介紹與鑑別診斷</p> <p>4. 猛暴型肝炎之定義與診斷要項與治療預後</p> <p>5. 兒童膽道常見的疾病介紹(1)膽道閉鎖(2)膽道囊腫(3)膽道感染相關疾病</p> <p>6. 肝膽的影像檢查與判讀</p> <p>7. 代謝性肝膽疾病介紹(威爾森氏症)</p> <p>8. 肝臟移植之介紹與其臨床適應性</p> <p>Pediatric nutritional assessment and provision</p>

					<p>學習目標及大綱：</p> <ol style="list-style-type: none"> 1.人體需求之營養素與熱量 2.兒童營養之評估 3.營養不良之臨床表徵 4.營養素缺乏之臨床症狀 5.腸道營養與靜脈營養之介紹與適應症 6.周邊與中心靜脈營養之介紹與臨床經驗 7.特殊疾病之營養與熱量需求 8.居家靜脈營養之介紹與適應症
21	2013-08-22 (四)	5 - 6	2	中醫系 江東和	<p>Pediatric oncology (I) 學習目標及大綱： 本課程協助學員瞭解以下內容：</p> <ol style="list-style-type: none"> 1.常見的兒童癌症有哪些？ 2.常見的兒童癌症及其治療方式與成果，瞭解兒童癌症之處理原則，並學會簡易治療步驟 3.瞭解兒童腦腫瘤之種類 4.兒童惡性腫瘤之臨床診斷方式、鑑別診斷、影像學檢查判讀、切片原則、治療方式 <p>結合手術發現、臨床表現與影像學的表現，期待可因此增進疾病的診斷正確性及增強對於影像學的判讀。</p>
22	2013-08-22 (四)	7 - 8	2	醫學系小兒科 陳力振	<p>Childhood allergies 學習目標及大綱：</p> <ol style="list-style-type: none"> 1.過敏病流行病學與致病原理 2.常見的兒童過敏病： <ol style="list-style-type: none"> 1) 氣喘 2) 鼻炎 3) 異位性皮膚炎 3.過敏性休克 4.過敏病的預防
23	2013-08-23 (五)	1 - 2	2	醫學系 黃茂盛	<p>Cardiovascular aspects of systemic diseases in children 學習目標： Understanding the cardiovascular involvement and/or manifestations of the common syste</p>

					<p>mic diseases in children</p> <p>學習大綱：</p> <p>A. Hematology/Oncology:</p> <ol style="list-style-type: none"> 1. Secondary Hemochromatosis 2. Cardiovascular Complications of Anthracyclines Therapy <p>B. Endocrinology:</p> <ol style="list-style-type: none"> 1. Infant of Diabetic Mother 2. Juvenile Hyperthyroidism 3. Hypothyroidism <p>C. Metabolic Diseases:</p> <ol style="list-style-type: none"> 1. Glycogen Storage Disease ~ Type II (Pompe's disease) 2. Mucopolysaccharidosis Type I (Hurler Syndrome) <p>D. Connective Tissue Diseases:</p> <ol style="list-style-type: none"> 1. Marfan Syndrome 2. Ehlers-Danlos Syndrome 3. Osteogenesis Imperfecta 4. Systemic Lupus Erythematosus 5. Neonatal Lupus Erythematosus 6. Juvenile Rheumatoid Arthritis <p>E. Rheumatic Fever</p> <p>F. Kawasaki Disease</p>
24	2013-08-23 (五)	3 - 4	2	醫學系小兒科 林如立	<p>Inborn errors of metabolism</p> <p>學習目標及大綱：</p> <ol style="list-style-type: none"> 1. Basic outline of mechanism of IEM 2. Initial investigation, approach and treatment 3. Enzyme defect / Amino acids / Organic acids / Fatty acids Carbohydrates / Complex lipids / Purines / porphyrins 4. Transport Defects 5. Neurodegenerative Diseases 6. Pharmacogenetic Diseases

25	2013-08-23 (五)	5 - 6	2	醫學系小兒科 江文山	Pediatric GI diseases 學習目標及大綱： 認識小兒消化道常見的先天性的異常及後天發生的疾病。 內容包括食道、胃、十二指腸、大小腸等消化道器官，知道這些臟器常見疾病臨床上的表現，致病的機轉，診斷的重點，重要的檢查及處置的要點。
26	2013-08-23 (五)	7 - 8	2	醫學系小兒科 朱世明	Prematurity and related disorders 學習目標及大綱： 1.早產兒的定義以及其流行病學 2.各種與早產相關之合併症，其病理生理學及治療策略，包括： (1) IVH, PVL and neurodevelopmental consequence (2) PDA (3) Necrotizing Enterocolitis (NEC) (4) Retinopathy of prematurity (ROP) (5) Anemia of prematurity (6) Metabolic Bone Disease(MBD) of prematurity (7) Cholestasis of prematurity
27	2013-08-26 (一)	1 - 2	2	醫學系 吳佑佑	Behavioral and psychosocial disorders in children 學習目標及大綱： 1. Definition of emotional development in children 2. Stages in emotional development 3. Assessment in emotional maturation 4. Child with emotional and behavior difficulties 5. Team work
28	2013-08-26 (一)	3 - 4	2	醫學系小兒科 楊兆平	Pediatric oncology (II) 學習目標及大綱： Hematologic Malignancy 1. Acute lymphoblastic leukemia

					2.Non Hodgkin's lymphoma in children 3.Histiocytosis
29	2013-08-26 (一)	5 - 6	2	醫學系 林思偕	Development of immune system and its disorders 學習目標及大綱： 1.自胚胎乃至成人免疫系統之重大變化 2.各免疫細胞，如 T cell, NK cell, B cell 等分別 maturation 之過程簡介，並列舉其功能 3.臨床上常見之原發性免疫缺損及並介紹: 如:Bruton's agamma-globulinemia Wiscot-Aldrich Syndrome Severe-combined Immunodeficiency Leukocyte adhesion defect 4.免疫缺損症之治療等處理
30	2013-08-26 (一)	7 - 8	2	醫學系小兒科 林奏延	Infection in pediatric patient-some organ point of view 學習目標及大綱: 一、腦膜炎：兒童腦膜炎的症狀、診斷及治療 二、骨髓炎、化膿性關節炎的症狀、診斷及治療 三、肺炎： 1.兒童肺炎最常見的病因 2. 如何以症狀、理學檢查及 X 光區別典型或非典型肺炎 3. 個案討論肺炎鏈球菌、葡萄球菌、黴漿菌等肺炎
31	2013-09-04 (三)	1 - 2	2	醫學系小兒科 羅福松	Endocrinology(I) 學習目標及大綱： Disorders of thyroid gland Congenital hypothyroidism 1.Thyroid development and physiology 2.Congenital hypothyroidism Disorders of pubertal development- Precocity 1.Physiology of puberty

					<p>2.Precocious puberty</p> <p>Disorders of adrenal gland CAH</p> <p>1.Adrenocortical insufficiency</p> <p>2.Congenital adrenal hyperplasia</p>
32	2013-09-04 (三)	3 - 4	2	醫學系小兒科 羅福松	<p>Endocrinology(II)</p> <p>學習目標及大綱：</p> <p>Growth and disorders of hypothalamus and pituitary gland</p> <p>1.Assessment of growth</p> <p>2.Hypopituitarism</p> <p>Disorders of parathyroid gland and bone</p> <p>1.Hypoparathyroidism</p> <p>2.Pseudohypoparathyroidism</p> <p>3.Hypophosphatemic rickets</p> <p>Diabetes Mellitus in children</p> <p>1.Introduction and classification</p> <p>2.Type 1 diabetes mellitus</p> <p>Type 2 diabetes</p>
33	2013-09-04 (三)	5 - 8	4	醫學系小兒科 林季珍	<p>Nephropathy and urinary tract diseases</p> <p>學習目標及大綱：</p> <p>1.Diseases of the Kidneys and Urinary Tract in Children</p> <p>2.Development of pediatric nephrology</p> <p>3.Ultrasound in pediatric renal and urinary tract diseases</p> <p>4.New developments in pediatric nephrology</p> <p>5.Genetic aspects of pediatric renal and urinary tract diseases</p> <p>6.Fluid and electrolyte balance in infants and children</p>

課程名稱：神經科學 Neurology

學年：102

學期：1

年級：5

課程大綱

教科書：

1. Gilroy: Basic Neurology, 3rd Ed, 2000, McGraw-Hill.
2. Adams and Victor: Principles of Neurology, 9th Ed, 2009, McGraw-Hill.
3. Merritt's Textbook of Neurology, 12th Ed, 2010, Williams & Wilkins.
4. Duss: Topical Diagnosis in Neurology, 4th Ed, 2005. Thieme Medical Pub

參考書：

1. Perkin et al: Atlas of Clinical Neurology, 2nd Ed (1993). Mosby-Year Book.
2. Brazis et al: Localization in Clinical Neurology, 5th Ed (2007). Lippincott Williams & Wilkins.
3. Duss: Topical Diagnosis in Neurology, 4th Ed (2006). Thieme Medical Publishers.
4. Gilroy: Basic Neurology, 3rd Ed (1999). McGraw-Hill Professional.
5. Bradley et al: Neurology in Clinical Practice, 5th Ed (2007). Butterworth-Heinemann

整體教學目標：

1. 能了解常見神經科相關疾病.
2. 能將相關知識應用於臨床神經科病人的照護上.
3. 引發醫學生對神經科學研究的興趣

教學方法：

課程講授

中文課程簡介：

1. 介紹常見中樞神經系統疾病
2. 介紹常見末梢神經系統疾病
3. 介紹神經學急症神經系統疾病
4. 介紹神經學表現及其他系統疾病

英文課程簡介：

Introduction

Neurology has expanded rapidly in the modern age of molecular and technological advances. It encompasses a tremendous broad spectrum of knowledge on many aspect

s of neuroscience. The arrangement of the teaching courses on the neurological diseases is best conducted in the scientific and systemic approaches on the principal illness. Therefore, we schedule only 16 major topics in this term for the 5th grade of medical student. Cerebrovascular diseases, movement disorders, epilepsy, dementic diseases, muscle diseases, peripheral nerve disorders, demyelinating diseases, myasthenia gravis, infection of CNS and intracranial neoplasms are essential neurological diseases in Taiwan.

By and large, the invited speakers are well trained in the state-of-the-art techniques and well prepared not only to document the current level of our knowledge but also to give some idea of what we may expect in the future during the continuing advance of neurological science.

In facing decode of human genome and the continuing exploration of new mutation in many aspects of neurological diseases, to know the population specific genetic diseases is becoming important in dealing with our own people. It could also encourage the young pupils to chase their own achievement and glory in the field of neuroscience.

It is hoped that this teaching courses of neurology will bring the student the fundamental understanding and up to date in the field of neurology. Certainly, we do encourage young medical students to participate the mysterious and interesting kingdom of neuroscience.

成績考核：
期末筆試考核

教學進度

項次	上課日期/ 星期	開始/ 結束 節次	時數	授課教師	教學進度
1	2013-08-27 (二)	1 - 1	1	中醫系 吳禹利	Introduction of neurological disorders
2	2013-08-27 (二)	2 - 2	1	醫學系 張宏旭	Autonomic system disorders Objects : Anatomy and physiology of the ANS, clinical autonomic function evaluation, clinical manifestations of autonomic failure, diagnosis and treatment of diseases of autonomic failure Outlines : A.Neuroanatomy of the autonomic nervous systems 1.Sympathetic nervous system 2.Parasympathetic nervous system B.ANS in regulation of cardiovascular physiology 1.Regulation of cardiac output distribution 2.Differential sympathetic regulation

					<ul style="list-style-type: none"> 3.Baroreflex 4.Circulation-respiration coupling 5.“Empty heart” syndrome C.Clinical manifestations of autonomic failure D.Laboratory investigation of autonomic functions: <ul style="list-style-type: none"> 1.Pressor tests 2.Orthostatic stress test 3.Valsalva maneuver 4.Sudomotor activity evaluation E.Autonomic dysregulation <ul style="list-style-type: none"> 1.Neural mediated syncope 2.Orthostatic hypotension 3.Postprandial hypotension 4.Postexercise hypotension F.Diseases: diagnosis and management <ul style="list-style-type: none"> 1.Classifications 2.Multiple system atrophy and Parkinson’s disease with autonomic failure 3.Pure autonomic failure 4.Diabetic autonomic neuropathy
3	2013-08-27 (二)	3 - 3	1	醫學系 張國軒	<p>Demyelinating disease Objects : The purpose of this lecture is to learn the clinical characteristics of various demyelinating diseases, as exemplified by two clinical vignettes and by the introduction of the most representative demyelinating disease – multiple sclerosis. After this lecture, students should be able to know the characteristic symptoms and signs, epidemiology, diagnosis (including differential diagnoses), pathogenesis and treatment of demyelinating diseases, especially multiple sclerosis.Outlines :</p> <ul style="list-style-type: none"> A. What is “demyelinating disease”? B. Classification of demyelinating disease: <ul style="list-style-type: none"> 1. Clinical vignette: case 1 (optic neuritis and related symptoms) 2. Clinical vignette: case 2 (2 episodes of neurological abnormalities due to white matter damage at > 2 spatially separate sites in the central nervous system) 3. Acute hemorrhagic leukoencephalopathy 4. Acute disseminated encephalomyelitis (ADEM) C. Multiple sclerosis (MS) <ul style="list-style-type: none"> 1. What is“multiple sclerosis”? 2. Epidemiology (inc. study in Taiwan) 3. Clinical features —characteristic symptoms and signs 4. Diagnosis of MS 4a. Neuroimaging 4b. Neurophysiological study (evoked potentials) 4c. Cerebrospinal fluid 4d. Disorders that can mimic MS 5. Pathogenesis of MS 6. Treatment 6a. Treatment of MS relapses (disease- modifying therapies) 6b. Treatment of MS symptoms

4	2013-08-27 (二)	4 - 4	1	中醫系 陸清松	Parkinson's disease and other movement disorders I. Parkinson's diseaseII. Other movement disordersObjectives : To have a general clinical view To know how to make a diagnosisTo understand the pathogenesisTo view genetic contribution to etiologyTo know how to manage MD.Outline : Parkinson's diseaseDegenerative parkinsonismDystoniaMyoclonusChoreaTremor
5	2013-08-27 (二)	7 - 7	1	醫學系神經科 黃錦章	Alzheimer's disease and other cognitive disorders I. Alzheimer's diseaseII. Other cognitive disordersAlzheimer's diseaseObjects : 1. Understand the prevalence of dementia 2. How to diagnose Alzheimer's disease 3. Differentiation between Alzheimer's disease and other dementia disorders 4. How to treat the dementia patientsOutline: 1. Dementia in Taiwan. 2. History of Alzheimer's disease. 3. Clinical features of Alzheimer's disease. 4. Differential diagnosis of Alzheimer's disease. 5. Mechanism of senile plaques and neurofibrillary tangles. 6. Pathology of Alzheimer's disease. 7. Treatments of Dementia. Other cognitive disordersObjectS : 1. Understand other cognitive disorders. 2. Mechanism of vascular dementia. 3. Investigation of dementia with Lewy body, frontotemporal dementia. 4. How to differentiate among the other cognitive disorders. Outline: 1. Vascular dementia. 2. Dementia with Lewy body. 3. Fronto-temporal lobe dementia. 4. Subcortical dementia. 5. Jacob- Creutzfeldt disease. 6. Recent understanding of the dementia syndrome
6	2013-08-28 (三)	1 - 1	1	醫學系 賴思佳	Sleep disorders and other paroxysmal disorders Objects : Understanding normal sleep and Learning about the diagnosis /treatment /prognosis of common sleep disordersOutlines : A. Understanding normal sleep 1. Function/Microstructure/Pathophysiology of sleep B. Learning about common sleep disorders 1. Insomnia 2. Obstructive sleep apnea 3. REM sleep behavior disorder 4. Restless legs syndrome 5. Narcolepsy C. Approaching sleep problems: Polysomnography
7	2013-08-28 (三)	2 - 3	2	醫學系神經科 陳獻宗	I. Cerebrovascular disease (I)II. Cerebrovascular disease (II)Objectives: To understand the major types of stroke, their pathophysiology, clinical characteristics, risk factors, and principles of management. Outline:

					1.Classification of cerebrovascular diseases 2.Anatomy and pathophysiology 3.Clinical characteristics and diagnosis 4.Risk factors and prognosis 5.Essential laboratory exams 6.Principles of management
8	2013-08-28 (三)	4 - 4	1	醫學系內科 朱俊哲	Diseases of the peripheral nerve Objectives : -To reach the goal of understanding the basic concepts of peripheral nerve systems-How to approach a patient clinically-Introduction to the diseases varieties in peripheral nerve system Outline : Basic concepts Clinical approach Diseases
9	2013-08-28 (三)	5 - 5	1	醫學系神經科 羅榮昇	Neuromuscular junction disorders Objects : Diagnosis and Treatment of Neuromuscular junction disorders Outlines : A.Definition of Myasthenia Gravis B.Clinical course of Myasthenia Gravis 1.Onset 2.Symptoms and Signs C.Pathophysiology of Myasthenia Gravis : autoimmune disease and pathogenesis D.General Principles of Diagnostic Testing for Myasthenia Gravis : the roles of electrophysiology and Acetylcholine receptor antibody E.Differential Diagnosis of Myasthenia Gravis and related disorders F.Update treatments G.Myasthenic Syndrome (Lambert-Eaton; LEMS): the similarities and differences between Myasthenia Gravis and related disorders
10	2013-08-28 (三)	7 - 7	1	醫學系 葉篤學	Intracranial neoplasms Objectives: Basic knowledge of pathophysiology, clinical diagnosis and treatment for neoplasms of central nervous system Outline:A.GENERAL CONSIDERATIONS 1.Epidemiology 2.Classification and grading 3.Biology 4.Pathophysiology B.CLINICAL AND PATHOLOGIC CHARACTERISTICS OF BRAIN TUMORS 1.Patients who present with general impairment of cerebral function, headaches, or seizures 2.Patients who present primarily with signs of increased intracranial pressure 3.Patients who present with specific intracranial tumor syndromes C.REMOTE EFFECTS OF NEOPLASIA ON THE NERVOUS SYSTEM (PARANEOPLASTIC DISORDERS)
11	2013-08-28 (三)	8 - 8	1	醫學系 翁意欣	Headache and other pain disorders I. Headache II. Other pain disorders Headache Objects : To understand the basic neuroscience, classification, etiology, diagnosis, and treatment of headache. Outlines : A.Definition of headache 1.Definition 2.Painful structures 3.Neuroanatomy and neurophysiology of headache B.How to approach headache 1.History taking: how, when, what 2.Neurological examinations and physical examinations 3.Rad

					<p>flags about headache 4.Diagnostic tools C.Classification of headache 1.Primary headache i. Migraine ii. Tension type headache iii.Cluster headache and trigeminal automatic cephalalgias 2.Secondary headache D.Management 1.Management of acute headache 2.Management of chronic headache Other pain disorders Objects : To understand the mechanism and pathway of neuropathic pain. To realize how to differentiate and treat the common painful disorders. Outlines : A.Definition of pain 1.Pain 2.Nociception 3.Hyperalgesia/ Hyperpathia/ causalgia 4.Allodynia/ Hyperesthesia/ Dyesthesia/ Paresthesia B.Neuroanatomy and neurophysiology of pain 1.Nociceptor 2.Ascending nociceptive tracts 3.Higher centers in the CNS 4.Pain modulation C.Approach 1.Location: dermatomes 2.Specific NE tasks 3.Objective assessment scales D.Common painful disorders 1.Neuropathic pain 2.Trigeminal neuralgia 3.Polyneuropathy 4.Fibromyalgia E.Treatment</p>
12	2013-08-28 (三)	9 - 9	1	醫學系 張寓智	<p>Conscious disturbance I.Consciousness Disturbance(I)II.Consciousness Disturbance(II) Objectives: Understanding the relevant definition of consciousness, and knowing how to describe the status of such patients. Being familiar with the consciousness-related anatomy, definitely understanding the possible etiology, clinical features and assessment, and differential diagnosis of consciousness disturbance, and knowing the principles of management of consciousness disorders, especially the acute treatment. Outline : A.Introduction: The importance of consciousness assessment B.Consciousness-related anatomy C.Relevant definitions of consciousness D.Etiology of consciousness disturbance E.Evaluation of consciousness disturbance F.Differential Diagnosis of consciousness disturbance G.Management of consciousness disturbance</p>
13	2013-08-29 (四)	1 - 1	1	醫工博士學程 林秀娜	<p>Epilepsy Objectives : to be familiar with definition, classification, diagnosis, and treatment of epilepsy Outline : A. Introduction of seizures and epilepsies B. ILAE classification of epileptic seizures C. Some selected epileptic syndromes D. Epidemiology E. Diagnosis F. Treatment G. Status epilepticus H. Special issues related to women and epilepsy Other Paroxysmal Disorders in Neurology Objects : -What are common</p>

					<p>paroxysmal disorders in Neurology ?</p> <p>-By history, what should we consider ?</p> <p>-Understand major d/dx in each symptom or event.</p> <p>-What can we do for the patient ?</p> <p>Outlines : • Subjective symptoms - Headache - Dizziness/ Vertigo/ Disequilibrium - Tinnitus; Meniere syndrome • Episodic or paroxysmal events - Epilepsy - Involuntary movement - Syncope - Transient global amnesia (TGA); TIA • Sleep disorders • Other psychogenic symptoms or movement</p>
14	2013-08-29 (四)	2 - 2	1	醫學系神經科 吳嘉倫	<p>Spinal cord disease Object : Introduction of spinal cord disease</p> <p>Outlines :</p> <p>A. Anatomical review</p> <p>B. The clinical presentation</p> <p>C. The differential diagnosis</p> <p>D. The treatment</p> <p>E. Common spinal disorders</p>
15	2013-08-29 (四)	3 - 3	1	醫學系神經科 簡浴沂	<p>Disorders of Muscle Object : Clinical myology</p> <p>Outline:</p> <p>1.Myopathy</p> <p>2.Motor neuron disease</p> <p>3.Neuropathy</p> <p>4.Neuromuscular junction disease</p>
16	2013-08-29 (四)	4 - 4	1	醫學系 謝向堯	<p>Infections of the nervous system Objects :</p> <p>-Understand common CNS infection (meningoencephalitis, abscess, and others)</p> <p>-When should we consider that patient may have infection of CNS?</p> <p>-Treat the infection and prevent complications</p> <p>-Prognosis</p> <p>Outlines : • Meningoencephalitis -Bacteria -Virus -TB - Fungus -Other (ex. Eosinophilic meningitis) • Brain abscess - Bacteria -Other pathogens • Other CNS infection - Neurosyphilis -AIDS related s/s.</p>
17	2013-08-29 (四)	5 - 6	2	中醫系 吳禹利	<p>期末考核</p>

課程名稱：精神醫學 Psychiatry

學年：102

學期：1

年級：5

課程大綱

教科書：

- 1.葉英坤：照會精神醫學。合計圖書出版社, 2005
- 2.American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders DSM-5. Washington DC: APA Press, 2013
- 3.Sadock BJ, Sadock VA (eds.) Kaplan and Sadock's Concise Textbook of Clinical Psychiatry. 3rd edition. Philadelphia: Lippincott, Williams and Wilkins, 2008.

參考書：

- 1.Gelder MG, Harrison P, Cowen P. Shorter Oxford Textbook of Psychiatry. OXFORD UNIV Press,2006.
- 2.Sadock BJ and Sadock VA. (eds.) Kaplan and Sadock's Comprehensive Textbook of Psychiatry. 9th edition. Philadelphia: Lippincott, Williams & Wilkins, 2009.
- 3.李明濱：實用精神醫學。台大, 2000。

整體教學目標：

經由本課程讓學生認識精神疾病之本質，習得精神疾病之診治並了解全球及國內精神衛生趨勢與公衛議題。

教學方法：

課室教學

中文課程簡介：

- 1.本課程由精神科專任教師與教學醫院精神科主治醫師共同教課，教導學生精神疾病之診斷、病因、及各種治療模式，以習得行醫過程必須之精神醫學基本知能。
- 2.正式 lecture 部分以疾病及病因介紹為主,治療部份移至臨床實習時教學。

英文課程簡介：

Psychiatry is a specialty of medicine. The purpose of this course is to learn the nature and etiology of mental disorders and familiar with the basic treatment model of psychiatric treatment - bio-psycho-social approach.

成績考核：

筆試

教學進度

項次	上課日期/ 星期	開始/ 結束 節次	時數	授課教師	教學進度
1	2013-08-30 (五)	1 - 2	2	醫學系 蕭美君	<p>Topic: Depressive disorders</p> <p>Objectives :</p> <p>To learn the diagnoses, etiology, clinical manifestation and treatment of depressive disorders</p> <p>Content :</p> <p>A. Definition of Depression Spectrum Disorder</p> <p>B. Classification (DSM-IV manual) and Neurobiology of Depression</p> <p>1. Major depression, organic depression, Dysthymia, Depressive disorder NOS</p> <p>2. HPA axis and neurotransmitters (dopamine, serotonin, NE)'s role in depression</p> <p>3. Stress-diathesis theory of depression</p> <p>C. Symptoms and signs of different type of major depression or other depression</p> <p>D. Clinical course of treated and untreated depression</p> <p>1. The role of antidepressants to shorten the course of depression and to avoid comorbidity</p> <p>2. Definition of acute treatment, maintain treatment, and prophylaxis</p> <p>3. Definitions of cure (remission), partial remission, relapsed, and recurrent depression</p> <p>4. Treatment guideline of major depression</p> <p>5. How to approach a depressive patient</p> <p>E. The role of psychotherapy and psychographics in treatment of depression</p> <p>F. Why the FDA to emphasize the possible suicide risk in the first 1-2 weeks use of antidepressants</p> <p>G. Indications of antidepressants: not only depression, for eating disorder, PTSD, GAD, PMDD, Panic disorder, and OCD.....</p>

					<p>H.Risk factors of recurrent or relapsed depression and the management</p> <p>I.Progressive factors of major depressive disorder</p> <p>J.Why women have more Dx of depressive disorder</p> <p>K.The difference between bipolar disorder and unipolar depression</p> <p>L.Discuss a typical clinical vignette to let the students to understand MDD more</p>
2	2013-08-30 (五)	3 - 4	2	醫學系精神科 陳景彥	<p>Topics</p> <p>1. Bipolar disorder</p> <p>2. Delusional disorder</p> <p>Topic : Bipolar Disorder</p> <p>Objectives :</p> <p>To learn the diagnoses, etiology, clinical manifestation and treatment of depressive disorders</p> <p>Content :</p> <p>A.Definition of Bipolar Affective Disorder</p> <p>1.Bipolar I</p> <p>2.Bipolar II</p> <p>3.other bipolar disorders</p> <p>4.Late onset Bipolar Disorder</p> <p>B.Epidemiology and Clinical Characteristics</p> <p>C.Differential Diagnosis from Unipolar Depression , Schizophrenia and Other Mental Illness</p> <p>D.Treatment & Prognosis</p> <p>E.Common Comorbidity in Bipolar Disorder</p> <p>Topic :</p> <p>Delusional Disorder & Other Psychotic Disorders</p> <p>Objectives :</p> <p>To learn the diagnoses, etiology, clinical manifestation and treatment of delusional disorders</p> <p>Contents :</p> <p>A.Definition of Delusional Disorder</p> <p>B.Epidemiology and Clinical Characteristics of Delusional Disorder</p> <p>C.Differential Diagnosis from Schizophrenia and O</p>

					<p>ther Mental Illness</p> <p>D.Treatment & Prognosis of Delusional Disorder</p> <p>E.Culture-bound Syndrome</p> <p>F.Brief Reactive Psychosis</p> <p>G.Postpartum Depression/Psychosis</p>
3	2013-08-30 (五)	5 - 6	2	中醫系 劉嘉逸	<p>Title : Introduction to Psychiatry & Mental Status Examination</p> <p>Objectives : 1. To Understand Mental disorders 2. To learn mental status examinations</p> <p>Content :</p> <p>A.Introduction to Psychaitry</p> <p>1.History of Psychaitry</p> <p>2.Psychiatry in modern and post-modern ages</p> <p>3.Evolution of Psychiatric disgnosis</p> <p>4.Scope of psychiatry</p> <p>B.Mental status examination</p> <p>1.意識 (consciousness)</p> <p>2.注意力(Attention)</p> <p>3.行爲 (behavior)</p> <p>4.思考 (thinking)</p> <p>5.言語 (speech)</p> <p>6.知覺 (perception)</p> <p>7.記憶力(memory)</p> <p>8.定向力 (orientation)</p> <p>9.抽象思考 (abstract thinking)</p> <p>10.計算能力(calculation)</p> <p>11.判斷力 (judgment)</p> <p>12.病識感 (insight)</p>
4	2013-08-30 (五)	7 - 8	2	中醫系 劉嘉逸	<p>Topics :</p> <p>1. Psychiatric diagnosis and classification</p> <p>2. Introduction to psychiatric treatment</p> <p>Objectives :</p> <p>1.To learn the classification and diagnoses of mental disorders</p> <p>2. To learn tohe treatment of mental disorders</p>

					<p>Content :</p> <p>A. Diagnoses of mental disorders</p> <ol style="list-style-type: none"> 1. Organic Mental Disorders 器質性精神疾病 2. Psychoses 精神病 3. Neuroses & other minor mental disorders 精神官能症及其他輕型精神疾病 4. Mood Disorders 情感疾患 5. Adjustment disorder 適應障礙 6. Personality disorder 人格違常 7. Others <p>B. Bio-psycho-social model</p> <p>C. Five axis diagnosis model</p> <p>D. Psychiatric treatment</p> <ol style="list-style-type: none"> 1. Biological treatment 2. Psychosocial treatment
5	2013-09-02 (一)	1 - 2	2	醫學系 梁歆宜	<p>Topic: Schizophrenia</p> <p>Objectives :</p> <p>To learn the diagnoses, etiology, clinical manifestation and treatment of schizophrenic disorders</p> <p>Contents:</p> <p>A.Symptoms of Schizophrenia</p> <ol style="list-style-type: none"> 1.Positive symptoms <ol style="list-style-type: none"> i.delusion ii.hallucination iii.disorganized speech and behavior 2.Negative symptoms <ol style="list-style-type: none"> i.avolition ii.anhedonia iii.asociality iv.blunted affect <p>B.Diagnostic criteria and clinical assessment</p> <p>C.Subtypes of Schizophrenia</p> <p>D.Psychopathology and etiology</p> <p>E.Prevalence</p> <p>F.Clinical course and prognosis</p> <p>G.Treatment – bio-psycho-social model</p> <p>H.Current researches in Taiwan and the world</p>

6	2013-09-02 (一)	3 - 3	1	醫學系精神科 黃玉書	<p>Topics:</p> <ol style="list-style-type: none"> 1. Introduction to child and adolescent psychiatry 2. Mental Retardation 3. Developmental disorder <p>Objectives:</p> <ol style="list-style-type: none"> 1. To learn the scopes of child and adolescent psychiatry 2. To learn the autism and related developmental disorder <p>Content :</p> <ol style="list-style-type: none"> A. Mental retardation B. Disorders of Psychological Development (F80-F89) C. Treatment D. Autism Spectrum Disorder
7	2013-09-02 (一)	4 - 4	1	醫學系精神科 黃玉書	<p>Topic: Attention deficit and hyperactive disorder</p> <p>Objectives</p> <p>To learn the etiology and treatment of ADHD</p> <p>Content:</p> <ol style="list-style-type: none"> 1、 Diagnosis of ADHD 2、 Clinical manifestation of ADHD <ol style="list-style-type: none"> a. Hyperactivity b. Impulsivity c. Inattention <ol style="list-style-type: none"> 3、 classification : 3 subtype <ul style="list-style-type: none"> o a. inattentive type o b. Hyperactivity/ impulsivity type o c. Combined type 4、 Etiology 5、 Treatment of ADHD
8	2013-09-02 (一)	5 - 6	2	醫學系小兒科 張學齡	<p>Topic:</p> <p>Eating disorder and other adolescent disorder</p> <p>Objectives :</p> <p>To learn adolescent mental disorders and eating disorders</p> <p>Contents :</p> <ol style="list-style-type: none"> A. Introduction to adolescent mental health B. Eating disorder:

					<p>C. anorexia nervosa and its related symptoms and signs</p> <p>D. bulimia nervosa and its related symptoms and signs</p> <p>E. treatment</p> <p>1. other common adolescent onset psychiatric disorder</p> <p>2. body dysmorphic disorder</p> <p>F. clinical manifestation</p> <p>G. treatment and outcome</p> <p>1. mood disorder</p>
9	2013-09-02 (一)	7 - 8	2	醫學系精神科 洪錦益	<p>Topic : Anxiety Disorders</p> <p>Objectives :</p> <p>To learn the diagnoses, etiology, clinical manifestation and treatment of anxiety disorders</p> <p>Contents :</p> <p>A.Panic disorder and agoraphobia : diagnostic criteria, clinical features, and treatment.</p> <p>B.Specific phobia : diagnostic criteria, clinical features, and treatment.</p> <p>C.Social phobia: diagnostic criteria, clinical features, and treatment.</p> <p>D.Obsessive-compulsive disorder: diagnostic criteria, clinical features, and treatment.</p> <p>E.Post traumatic stress disorder: diagnostic criteria, clinical features, and treatment.</p> <p>F.Acute stress disorder: diagnostic criteria, clinical features, and treatment.</p> <p>G.General anxiety disorder: diagnostic criteria, clinical features, and treatment.</p> <p>H.Anxiety disorders due to general medical condition.</p>
10	2013-09-03 (二)	1 - 2	2	醫學系精神科 莊永毓	<p>Topics</p> <p>1. Consultation psychiatry</p> <p>2. Delirium</p>

					<p>Objectives: o learn the scopes and contents of " Psychiatry and Medicine"</p> <p>Contents :</p> <p>A. The definition of consultation-liaison psychiatry</p> <p>B. Holistic approach of medical care</p> <p>C. Models of consultation-liaison psychiatry</p> <p>D. Qualification of a competent consultation psychiatrist</p> <p>E. Approaches to Initiating the Consult</p> <p>F. Indications for psychiatric consultation</p> <p>G. Diagnostic criteria of delirium</p> <p>H. Prevalence and related risk factors of delirium</p> <p>I. Symptoms and course of delirium, differential diagnosis</p> <p>J. Possible etiologies of delirium</p> <p>K. Management of delirium</p> <p>L. Prognosis</p>
11	2013-09-03 (二)	3 - 4	2	醫學系精神科 李淑花	<p>Topics:</p> <p>1.Geriatric psychiatry</p> <p>2. Dementia and other cognitive disorder</p> <p>Objectives: To learn the scopes of geriatric psychiatry, and the etiology, classification and treatment of dementia</p> <p>Content:</p> <p>A. The Emergence and Growth of Geriatric Neuropsychiatry</p> <p>B. The prevalence of mental illness in the elderly population</p> <p>C. The Clinical Manifestations of mental illness in the elderly population</p> <p>D. The ageing process and Neuroendocrinology, physical, psychological changes</p> <p>E. Aging, Medical Illness, Drugs, and Geriatric Neuropsychiatry</p> <p>F. Aging, Brain, and Neuropsychiatry</p> <p>G. Interactions of Medical illness, medication, brain diseases, and psychiatric disorder</p>

					<p>H. Prevention</p> <p>I. Management</p> <p>A. Aging and Cognitive Function</p> <p>B. Neuropsychiatric Features of Normal Aging</p> <p>C. Age associated Memory impairment</p> <p>D. Assessment of cognitive function</p> <p>E. What are some common signs of dementia?</p> <p>F. Behavior and psychological symptoms of dementia</p> <p>H. Non-AD dementia</p> <p>I Miscellaneous Dementia Syndrome</p> <p>J: work-up for dementia</p> <p>K: management</p>
12	2013-09-03 (二)	5 - 6	2	醫學系 張家銘	<p>Topics:</p> <p>1. Personality Disorder (PD)</p> <p>2. Stress-related disorder</p> <p>Objectives:</p> <p>1. To learn the classification and treatment of Personality Disorders</p> <p>2. To learn the diagnoses, etiology, clinical manifestation and treatment of stress-related disorders</p> <p>A. DSM-IV-TR definition of PD</p> <p>B. Cluster A PD</p> <p>1. Paranoid PD</p> <p>2. Schizoid PD</p> <p>3. Schizotypal PD</p> <p>C. Cluster B PD:</p> <p>1. Borderline PD</p> <p>2. Antisocial PD</p> <p>3. Narcissitic PD</p> <p>4. Histrionic PD</p> <p>D. Cluster C PD</p> <p>1. Dependent PD</p> <p>2. Avoidant PD</p> <p>3. Obsessive Compulsive PD</p> <p>E. Psychotherapy for BPD</p> <p>A. PTSD</p> <p>B. ASD (Acute stress disorder)</p>

					C. Treatment of ASD and PTSD
13	2013-09-03 (二)	7 - 8	2	醫學系 許世杰	<p>Topics: Substance-related disorder; Alcohol-related disorder</p> <p>Objectives: To learn the diagnoses, etiology, clinical manifestation and treatment of substance abuse and alcohol related disorders</p> <p>Content :</p> <p>A. Epidemiology of substance abuse in Taiwan B. Legal issues about substance abuse in Taiwan C. The diagnosis of substance-related disorders, such as abuse, dependence, intoxication , and withdrawal. D. The etiology of substance/alcohol dependence E. The symptoms and signs of different substances and alcohol during intoxication or withdrawal. F. Management of substance-related disorders.</p> <p>Topics: Substance-related disorder; Alcohol-related disorder</p> <p>Objectives: To learn the diagnoses, etiology, clinical manifestation and treatment of substance abuse and alcohol related disorders</p> <p>Content :</p> <p>A. Epidemiology of substance abuse in Taiwan B. Legal issues about substance abuse in Taiwan C. The diagnosis of substance-related disorders, such as abuse, dependence, intoxication , and withdrawal. D. The etiology of substance/alcohol dependence E. The symptoms and signs of different substances and alcohol during intoxication or withdrawal. F. Management of substance-related disorders.</p>

課程名稱：復健科學 Internship in Rehabilitation

學年：102

學期：1

年級：5

課程大綱

教科書：

1. Delisa et al : Rehabilitation Medicine—Principle and Practice. 4th Edition, 2004.
2. Grabois et al: Physical Medicine and Rehabilitation: The complete approach. 1st, 2000
3. Kottle et al: Krusen's handbook of physical medicine W.B. Saunders Co.
4. Braddom: Physical Medicine and Rehabilitation. 3rd, 2007, WB Saunders Company.

參考書：

Jackson C. Tan: Practical Manual of Physical Medicine and Rehabilitation. Mosby. 1st. 1998

整體教學目標：

給予醫學生完整復健醫學的概念，瞭解復健醫學的服務和研究領域，未來能在臨床服務與基礎研究上，能有更寬廣的知識與思考，或在復健醫學團隊中，成功扮演協調領導的角色。

教學方法：

講堂授課為主

中文課程簡介：

介紹復健醫學之內容及新近發展

英文課程簡介：

The course for the rehabilitation medicine class is designated for the fifth grade of the medical students. It includes general introduction and essential clinical practices in the field of the rehabilitation medicine, the details of which may check in the syllabus. Rehabilitation is the process of helping a person to reach the fullest physical, psychological, social, vocational, avocational, and educational potential consistent with his or her physiological or anatomic impairment. Patients, their families, and their rehabilitation teams work together to determine realistic goals and to develop and carry out plans to obtain optimal function despite residual disability, even if the impairment is caused by a pathological process that cannot be reversed.

Rehabilitation is a concept that should permeate the entire health-care system. It should be comprehensive and include prevention and early recognition, as well as outpatient, inpatient, and extended care programs. Anticipated patient outcomes of such a comprehensive and integrated rehabilitation program should include increased independence, a shortened length of stay, the most efficient use of evolving health-care systems, and an improved quality of life.

After complete the study of the Rehabilitation Medicine course, the medical students in the class should realize the scope in the field. Understanding helps them in clinical services and research regarding the field in the future.

成績考核：

筆試 70% 平常考核 30%

教學進度

項次	上課日期/ 星期	開始/ 結束 節次	時數	授課教師	教學進度
1	2013-08-12 (一)	3 - 4	2	物治系 黃美涓	<p>Topic:General Introduction of Physical Medicine and Rehabilitation</p> <p>Objectives: To understand the content of physical medicine and rehabilitation, and how to apply the concept in the clinical work.</p> <p>Outlines:</p> <p>A. Definition of physical Medicine and Rehabilitation</p> <p>B. Patient Care Teams</p> <ol style="list-style-type: none"> 1. Physiatrist 2. Physical Therapist 3. Occupational Therapist 4. Prosthetist - Orthotist 5. Rehabilitation Nurse 6. Speech Therapist 7. Psychologist 8. Social Worker 9. Vocational Counselor 10. Music Therapist <p>C. Functional Assessment</p> <p>Topic:Introduction of Geriatric Rehabilitation and</p>

					<p>Discharge Planning</p> <p>Objectives: To understand rehabilitation medicine and intervene and apply to aging.</p> <p>Outlines:</p> <p>A. What is Aging</p> <p>B. Physical and neurological changes in elderly patients</p> <p>C. Normal aging changes that predispose to falls and injuries</p> <p>D. Geriatric rehabilitation as prevention, restoration, accommodation and education</p> <p>E. Principles of Rehabilitation management of the elderly patients</p> <p>F. Introduction of discharge planning</p>
2	2013-08-15 (四)	5 - 5	1	醫學系 蔡維倫	<p>Topic: Rehabilitation of arthritis</p> <p>Objectives: Classification of arthritis, treatment strategies and physical medicine modalities.</p> <p>Outlines:</p> <p>A. Introduction of Arthritis</p> <p>B. Clinical Management of Arthritis</p> <p>C. Rehabilitation Guideline of Arthritis</p> <p>D. Rehabilitation of Osteoarthritis</p> <p>E. Rehabilitation of Rheumatoid Arthritis</p> <p>F. Rehabilitation of Ankylosing Spondylitis</p>
3	2013-08-15 (四)	6 - 6	1	醫學系復健醫學科 裴育晟	<p>Topic: General introduction of rehabilitation in neurological disorders</p> <p>Objectives:</p> <p>a. Upper motor neuron diseases and lower motor neuron diseases in neurological disorders</p> <p>b. Programs and goals of rehabilitation intervention in neurological disorders</p> <p>Outlines:</p> <p>A. Causes of neurological disorders</p> <p>1. Central nervous system: upper motor neurons</p> <p>2. Neuromuscular diseases: lower motor neurons</p> <p>B. Problems of neurological disorders</p> <p>1. Central nervous system: upper motor neurons</p>

					<p>2. Neuromuscular diseases: lower motor neurons</p> <p>C. Characteristics of neurological disorders</p> <p>D. Recovery after neurological lesions</p> <ol style="list-style-type: none"> 1. Neurological recovery 2. Compensative recovery <p>E. Indication for rehabilitation in neurological disorders</p> <p>F. Goal of rehabilitation</p> <ol style="list-style-type: none"> 1. Short term goal 2. Long term goal <p>G. Management of associated problems in neurological disorders</p>
4	2013-08-19 (一)	3 - 3	1	醫學系 黃書群	<p>Topic: Cardiac rehabilitation</p> <p>Objectives:</p> <ol style="list-style-type: none"> A. Risk factors identification of cardiovascular disease, and learn how to modify the risk. B. How to prescribe exercise and rehabilitation for patient with cardiovascular disease. <p>Outlines:</p> <ol style="list-style-type: none"> A. Goals for cardiac rehabilitation. B. Risk factors for CAD. C. The effects of exercise on cardiovascular disease. D. Exercise prescription for patients with CAD E. Rehabilitation for patients with AMI. F. Benefits of cardiac rehabilitation. G. Conclusion.
5	2013-08-19 (一)	4 - 4	1	物治系 鍾佳英	<p>Topic: Introduction of Pediatric Rehabilitation</p> <p>Objectives: Introduction of child development, early intervention, and pediatric rehabilitation.</p> <p>Outlines:</p> <ol style="list-style-type: none"> A. Child Development <ol style="list-style-type: none"> 1. Growth and development 2. Domains of child development 3. Neurodevelopmental assessment <ol style="list-style-type: none"> (1) Screening test (2) Diagnostic test

					<p>B. Developmental Delay</p> <ol style="list-style-type: none"> 1. Definition of developmental delay 2. Early intervention <p>C. Neurological diseases</p> <ol style="list-style-type: none"> 1. Brachial plexus injury 2. Spinal dysraphism <p>D. Musculoskeletal disorders</p> <ol style="list-style-type: none"> 1. Joint deformity 2. Scoliosis 3. Torticollis
6	2013-08-22 (四)	5 - 5	1	醫學系 鄭如芑	<p>Topic:Electrodiagnosis</p> <p>Objectives:To be familiar with the mechanism, reading, diagnosis and clinical application of nerve conduction and electromyographic studies.</p> <p>Outlines:</p> <p>A. Traditional electrodiagnostic technique</p> <ol style="list-style-type: none"> 1. Rheobase 2. Chronaxie 3. Strength-Duration Curve(SDC) <p>B. Nerve conduction velocity</p> <ol style="list-style-type: none"> 1. Motor nerve conduction velocity (MNCV) 2. Sensory nerve conduction velocity (SNCV) 3. Late responses : H-reflex, F-wave, Blink Reflex 4. Repetitive stimulation <p>C. Electromyography (EMG)</p> <ol style="list-style-type: none"> 1. Insertion activity 2. Resting potential (Abnormal spontaneous activity) 3. Muscle on volitional minimal contraction Normal: motor unit action potential Abnormal: giant motor units, neuropathic polyphasic waves, myopathic polyphasic waves, nascent waves 4. Single fiber EMG
7	2013-08-22 (四)	6 - 6	1	醫學系 蔡文鐘	<p>Topic: Physical modalities</p> <p>Objectives:To learn the principles, indication and</p>

					<p>contraindications of physical agent modalities</p> <p>Outlines:</p> <p>A. Principles, modes, indications, contraindications of heat/cold therapy</p> <p>B. The indications, contraindications of electrotherapy</p> <p>C. The indications, contraindications of traction therapy</p> <p>D. . The indications, contraindications of laser therapy</p> <p>E. The indications, contraindications of shockwave therapy</p>
8	2013-08-29 (四)	5 - 5	1	醫學系 鄧復旦	<p>Topics:Orthosis</p> <p>Objectives:</p> <p>(1) To understand the basic biomechanics of orthosis</p> <p>(2) The features of orthoses in different part of the body</p> <p>(3) Clinical application</p> <p>Outlines:</p> <p>A. Definition and purpose of orthosis</p> <p>B. Introduction of spinal orthosis</p> <p>C. Introduction of lower limb orthosis</p> <p>D. Introduction of upper limb orthosis</p>
9	2013-08-29 (四)	6 - 6	1	林瀛洲	Orthopedic rehabilitation in Sports Medicine
10	2013-09-02 (一)	3 - 3	1	醫學系 陳智光	<p>Topic:Rehabilitation of Chronic Pulmonary Disease</p> <p>Objectives:To learn the classification of chronic pulmonary disease, the assessment of pulmonary function, and the comprehensive pulmonary rehabilitation program.</p> <p>Outlines:</p> <p>A. Definition and goals of pulmonary rehabilitation</p> <p>B. Classification of chronic pulmonary disease</p> <p>1. Obstructive pulmonary disease</p>

					<p>2. Restrictive pulmonary disease</p> <p>C. Respiratory physiology and pulmonary function test</p> <p>D. Pulmonary rehabilitation modalities</p> <ol style="list-style-type: none"> 1. Relaxation techniques 2. Postural relief techniques 3. Secretion removal techniques 4. Controlled breathing techniques 5. Abdominal muscle exercise and support 6. General reconditioning exercises 7. Energy conservation techniques 8. Psychological, social, and vocational measures <p>E. Benefits of pulmonary rehabilitation</p>
11	2013-09-02 (一)	4 – 4	1	醫學系 陳智光	<p>Topic: Introduction of Prosthesis and Rehabilitation of Amputees</p> <p>Objectives: To learn the rehabilitation for patients before and after amputation, and introduce various upper and lower limbs prostheses</p> <p>Outlines:</p> <ol style="list-style-type: none"> A. Rehabilitation of amputees B. Residual limb management C. Pre-prosthetic training, preparatory prosthesis, permanent prosthesis D. Amputation level E. Structural and functional component of lower extremity prosthesis F. Structural and functional component of upper extremity prosthesis G. Problems of amputees and their treatment
12	2013-09-05 (四)	5 – 5	1	醫學系復健醫學科 陳靖倫	<p>Topic: Rehabilitation for spinal cord injured patients</p> <p>Objectives:</p> <ol style="list-style-type: none"> A. Understand the definition of spinal cord injury, and the definition of complete and incomplete injury B. Understand the classification and rehabilitation

					<p>of spinal cord injury</p> <p>Outlines:</p> <p>A. sinus tachycardia</p> <p>B. atrial tachyarrhythmias: atrial tachycardia, atrial flutter, atrial fibrillation, multifocal atrial tachycardia</p> <p>C. Paroxysmal supraventricular tachycardia: AV node reentry tachycardia, Wolff-Parkinson-White syndrome</p> <p>D. Ventricular tachyarrhythmias: ventricular tachycardia, ventricular flutter, ventricular fibrillation, long QT syndrome</p> <ol style="list-style-type: none"> 1. Definition of spinal cord injury 2. neurologic examination and Functional assessment after spinal cord injury 3. Complete Versus incomplete injuries 4. classification of neurologic syndromes in spinal cord injury 5. management of acute complications of spinal cord injury 6. Management of chronic complications of spinal cord injury
13	2013-09-05 (四)	6-6	1	中醫系 許智欽	<p>Topic: Ultrasonography of musculoskeletal system</p> <p>Objectives: To learn the basic principles of ultrasound and structure of musculoskeletal ultrasound images</p> <p>Outlines:</p> <p>A. History of ultrasound</p> <p>B. Introduction of ultrasound machine</p> <ol style="list-style-type: none"> 1. Parts of ultrasound machine 2. Mainframe 3. Transducer <p>C. Basic Principles:</p> <ol style="list-style-type: none"> 1. Definition of ultrasound 2. Source of sound 3. Sound transmission 4. Transducer technique 5. Modes of ultrasound

					<p>D. Clinical Images</p> <ol style="list-style-type: none">1. Artifacts2. Muscle images3. Tendon images
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課程名稱：影像診療學 Diagnotic Imaging & Intervention

學年：102

學期：1

年級：5

課程大綱

教科書：

作者: Richard B. Gunderman

書名: Essential Radiology

出版商: Thieme Medical Publishers. Inc.

發行地: United States of America

出版年份: 1998

起訖頁數: 1-576

參考書：

1. 書名: Diagnostic Imaging

作者: Peter Armstrong, Martin L Wastie

出版社: PG Publishing Pte Ltd

2. 書名: Diagnostic Neuroradiology

作者: Anne G.Osborn

出版社: Mosby-Year Book, Inc.

3. 書名: Diagnostic Radiology (Volume 1, 2, 3)

作者: R.G.Grainger, D.J.Allison

出版社: Churchill Livingstone

4. 書名: Practical Pediatric Imaging (Diagnostic Radiology of Infants and Children)

作者: Donald R.Kirks, M.D.

出版社: Donald R.Kirks

5. 書名: Diagnostic Breast Imaging

作者: Sylvia H. Heywang-Kobrunner, Ingrid Schreer, D. David Dershaw.

出版社: Georg Thieme Verlag

6. 書名: Interventional Radiology (Volume 1, 2)

作者: Wilfrido R. Castaneda-Zuniga, S. Murthy Tadavarthy

出版社: Williams & Wilkins

整體教學目標：

使醫學系學生在見、實習及未來臨床上能充分了解影像診療學之基本原理，影像診斷學在各系統及器官疾病所扮演的角色，各種影像檢查之優缺點、適應症及禁忌。

教學方法：

以 Powerpoint 教學，尤其醫學影像部份，且每一堂課投影片不宜超過 50 張為原則。

中文課程簡介：

課程內容包括影像診斷之基本原理、基本器材之認知，各種檢查項目在各種器官疾病所扮演的角色。

英文課程簡介：

The curriculum of Imaging Intervention for the 5th grade student in School of Medicine constitutes 54 hours of lecture including 4 hours of examination. The course is designed so that the student can learn the basic principle of variable imaging modalities, understand the role of imaging techniques in detecting lesions of various human organs and system, as well as the indications, contraindications, advantages and tradeoffs of each imaging techniques.

成績考核：

每學期授課部份分別舉行筆試，筆試之型式主要為選擇題，有時配合填充等考題。試後成績不理想的同學，先了解其成績不理想之原因並予以加強課業輔導，再給予補考機會，以期每位學生其學業成績至少在 60 分以上。

教學進度

項次	上課日期/ 星期	開始/ 結束 節次	時數	授課教師	教學進度
1	2013-08-17 (六)	2 - 4	3	醫學系 吳冠群	授課主題： Introduction to radiology and contrast agents 學習目標： (1) 各種造影劑(包括超音波、放射線及 MRI)的基本發展、結構、應用、使用的禁忌症、造影劑的過敏現象及急救處理的方法等。 (2) 放射線的各種檢查和各種介入性檢查的基本認識各種適應症及禁忌症。各種報告的判讀要領,與放射科醫師的溝通要領等。 學習大綱： 1. 造影劑的沿革。 2. Classification of contrast medium。

					<p>3.Ultrasound contrast medium 的種類及臨床應用。</p> <p>4.Radiological contrast medium 種類及結構。</p> <p>5.Ionin and non-ionic contrast medium 結構及分別。</p> <p>6.適應症及併發症的發生比率及處理。</p> <p>7.Radiological contrast medium 應用的途徑。</p> <p>8.磁共振造影劑的結構、種類及應用的原則。</p> <p>9. 磁共振造影劑的併發症及 nephrotic syetemic fibrosis syndrome 的認知。</p> <p>10.最新 contrast medium 的介紹。</p> <p>11. 放射線的各種檢查和各種介入性檢查的基本認識。</p> <p>包括各種檢的適應症，</p> <p>12. 各種介入性檢查的各種適應症及禁忌症，檢查前的準備，可能發生之併發症及術後之處理。</p> <p>13.各種報告的判讀要領。</p> <p>14.與放射科醫師的溝通要領等。</p> <p>15.放射科醫師與臨床醫師可能犯的錯誤等基本認知。</p>
2	2013-08-24 (六)	2 - 4	3	醫放系 王俊杰	<p>Principle and instrumentation of medical imaging</p> <p>This three hours lecture is an introduction to different medical imaging modalities. The purpose is to prepare the students with a basic operating knowledge about the principle and current instrumentation in radiology. The lecture will discuss the concept of radiation safety, the image production, conventional radiologic imaging modalities. Advanced topic will cover computed tomography and magnetic resonance imaging. At the end of the lecture, students are expected to identify the images as acquired using various modalities and not to confuse with each other.</p>
3	2013-08-31 (六)	2 - 4	3	醫放系 萬永亮	<p>授課主題：Sonography of abdomen</p> <p>學習目標：學習醫用診斷超音波掃描之基本原理及儀器、腹部超音波掃描方法、適應症和限制。</p>

					<p>內容大綱：</p> <ol style="list-style-type: none"> 1. Definition, propagation, generation and intensity of ultrasound. 2. Ultrasound and boundary interaction, pulse-echo technique. 3. Attenuation and resolution of ultrasound. 4. Inner structure and focusing of transducer. 5. Display modes and ultrasound scanner. 6. General principle and orientation of ultrasonography 7. Scanning techniques in abdominal sonography. 8. Sonography of hepatobiliary system, spleen, pancreas, kidneys and others.
4	2013-09-07 (六)	2 - 4	3	醫放系 黃耀祥	<p>授課主題：Imaging of the respiratory system</p> <p>學習目標：</p> <p>Imaging techniques, radiology of pulmonary lesions, radiology of pleural lesions, radiology of mediastinal lesions</p> <p>大綱：</p> <p>A. Imaging techniques</p> <p>Chest radiography, chest CT, chest HRCT, chest CTA</p> <p>Indications and contraindications of different modalities</p> <p>Technical factors and patient preparations</p> <p>B. Pattern approach of pulmonary lesions on imaging</p> <ul style="list-style-type: none"> Air-space filling opacities Atelectasis opacities Nodular or mass opacities Reticulonodular opacities Ring or cyst opacities <p>C. Radiology of pleural lesions</p> <ul style="list-style-type: none"> Pleural fluid collection Pneumothorax Pleural thickening Pleural calcification

					<p>Pleural mass</p> <p>D. Radiology of mediastinal lesions</p> <p>Mediastinal mass</p> <p>Pneumomediastinum</p> <p>CTPA of pulmonary embolism</p> <p>CTA of the thoracic aorta and arteries</p>
5	2013-09-14 (六)	2 - 4	3	醫放系 曾振輝	<p>授課主題：Imaging of digestive systems</p> <p>學習目標：認識正常消化器官的正常影像及各種疾病在超音波、電腦斷層、磁振造影及 X 光片下的表現。</p> <p>大綱：</p> <p>A. KUB 的判讀：正常及異常的腸氣表現，生理性鈣比及不正常鈣化。正常及異常的軟組織表現。</p> <p>B. 正常及異常的食道影像在鋇劑檢查，內視鏡的表現及電腦斷層的分期。</p> <p>C. 正常及異常的胃影像在鋇劑檢查，內視鏡的表現及電腦斷層的分期。</p> <p>D. 正常及異常的大腸、小腸影像在鋇劑檢查，內視鏡的表現及電腦斷層的分期。</p> <p>E. 動態電腦斷層的原理及應用，各種肝腫瘤在超音波、動態電腦斷層、磁振造影及血管攝影的影像特徵及鑑別診斷。</p> <p>F. 膽囊在超音波、動態電腦斷層、磁振造影及血管攝影的影像特徵及鑑別診斷。</p> <p>G. 急慢性闌尾炎在超音波、動態電腦斷層及磁振造影的影像特徵及鑑別診斷。</p> <p>H. 急、慢胰臟炎及胰臟腫瘤在超音波、動態電腦斷層及磁振造影的影像特徵及鑑別診斷。</p> <p>I. 磁振胰膽道造影術的介紹。</p>
6	2013-09-21 (六)	2 - 4	3	醫放系 張潤忠	<p>授課主題：</p> <p>Imaging of female reproductive system and breast</p> <p>學習目標：</p> <p>The imaging knowledge on the female reproductive system and breast, including the concerning diseases and imaging appearances.</p> <p>大綱：</p>

					<p>A.The basic anatomy and imaging correlation on breast and the reproductive system of female.</p> <p>B.The comparison of advantages and disadvantages of imaging methods in evaluating the on breast and female reproductive systems.</p> <p>C.Basic knowledge of clinical presentation and imaging appearance.</p> <p>D.How to correlate the imaging finding to the histology</p>
7	2013-09-28 (六)	2 - 4	3	醫放系 劉原彰	<p>授課主題：Imaging of the heart and vessels</p> <p>學習目標：學習以 X 光素片, 電腦斷層, 核磁共振技術 對心臟之評估,瓣膜病變,充血性心肌衰竭,心包膜,心肌病變,冠狀動脈,主動脈,及肺動脈病變之影像學。</p> <p>大綱：</p> <p>A. Chest radiography: normal and abnormal findings for heart evaluation</p> <p>B. Brief introduction of MRI for imaging the heart imaging</p> <p>C. Brief introduction of CT for imaging the heart imaging</p> <p>D. Congestive heart failure and pulmonary edema : pathophysiology and correlating radiographic manifestations</p> <p>E.Pericardium: Normal findings and constrictive pericarditis</p> <p>F. Cardiomyopathy:</p> <ol style="list-style-type: none"> 1. Dilated, Hypertrophic and Restrictive Cardiomyopathy 2. Arrhythmogenic RV Dysplasia <p>G.Coronary arteries and coronary heart disease (focus on cardiac MDCT)</p> <ol style="list-style-type: none"> 1. Normal anatomy 2. Radiation concern of cardiac MDCT 3. Coronary arterial disease: Coronary arterial stenosis and plaques morphology 4. Anomalous development of coronary arteries <p>H.Pulmonary embolism: radiographic findings, C</p>

					<p>TA</p> <p>I. Aortic diseases</p> <p>1. Acute aortic diseases: Aortic dissection, aneurysm, intramural haematoma, Penetrating ulcer of atheromatous plaques</p> <p>2. Marfan syndrome</p> <p>3. Aortic coarctation</p> <p>J. Pulmonary arterial diseases</p> <p>1. Pulmonary AVM</p> <p>2. Pulmonary artery hypertension.</p>
8	2013-10-05 (六)	2 - 4	3	醫放系 王俐人	<p>授課主題：Imaging of urinary system</p> <p>學習目標：學習 urinary system 的各種影像診斷工具及疾病之影像表現。</p> <p>大綱：</p> <p>A.Imaging modalities used for the urinary system: Indications, contraindications, procedures, limitations, comparison of imaging modalities</p> <p>1. Intravenous urography</p> <p>2. Antegrade pyelography.</p> <p>3. Retrograde pyelography</p> <p>4. Cystography</p> <p>5. Retrograde urethrography</p> <p>6. Voiding cystourothrography</p> <p>7. Angiography and Venography</p> <p>8. Sonography</p> <p>9. Computed tomography</p> <p>10. Magnetic Resonance Imaging</p> <p>B. Imaging findings of urinary tract abnormalities</p> <p>1. Lesions in the urinary tract</p> <p>i. Urinary calculi</p> <p>ii. Urothelial carcinoma</p> <p>2. Renal parenchymal masses</p> <p>i. Renal simple cyst</p> <p>ii. Renal cell carcinoma</p> <p>iii. Renal angiomyolipoma</p> <p>3. Infection and Inflammation</p> <p>i. Acute bacterial infection—acute pyelonephritis, renal abscess, perirenal abscess, emphysematous</p>

					<p>pyelonephritis</p> <p>4. Urinary tuberculosis</p> <p>i. Renal arterial stenosis</p> <p>ii. Renal arteriovenous malformation</p> <p>iii. Renal arterial aneurysm</p> <p>iv. Living renal donor assessment</p> <p>C. MRI local staging for prostate cancer</p> <p>i. Confined in the prostate</p> <p>ii. Extracapsular extension</p> <p>iii. Seminal vesicles invasion</p> <p>iv. Bladder or rectum invasion</p> <p>v. Bone/lymph node metastasis</p> <p>D. Imaging findings of adrenal lesions</p> <p>i. Adrenal myelolipoma</p> <p>ii. Adrenal adenoma</p> <p>iii. Pheochromocytoma</p> <p>iv. Adrenal cortical carcinoma</p>
9	2013-10-12 (六)	2 - 4	3	醫放系 王俐人	Mid-term Examination
10	2013-10-19 (六)	2 - 4	3	醫學系 饒啓明	<p>授課主題：Interventional Radiology</p> <p>學習目標：介入放射學的簡介</p> <p>大綱：</p> <p>A. Introduction and Definition of Interventional Radiology</p> <p>B. The Main Characteristic Features of Interventional Radiology:</p> <p>-Percutaneous</p> <p>-Healed with no visible wound</p> <p>-Minimal invasive performed under local anesthesia</p> <p>C. The Classification of Interventional Radiology:</p> <p>1. Diagnosis: needle biopsy (fine needle aspiration cytology, cutting needle biopsy)</p> <p>2. Treatment: types of therapy</p> <p>a. Non vascular therapy:</p> <p>-Abscess catheter drainage, biliary catheter drainage, RF ablation</p>

					<p>b. Vascular related therapy:</p> <ul style="list-style-type: none"> -Transcatheter arterial embolization e.g hepatoma and uterine myoma embolization -Transcatheter thrombolysis e.g venous thrombolysis -Central venous catheter insertion e.g peripheral inserted central catheter -Balloon angioplasty e.g renal artery stenosis, peripheral arterial stenosis -Abdominal aortic and peripheral arterial aneurysm endograft occlusion <p>D. Clinical case illustration:</p>
11	2013-10-26 (六)	2 - 4	3	醫放系 王超然	<p>授課主題 : Pediatric Imaging</p> <p>學習目標 : 學習小兒科、小兒外科相關疾病之影像診斷</p> <p>大綱 :</p> <p>A.Circulatory system: fetal circulation, congenital heart disease</p> <p>B.Respiratory system: neonatal normal chest, neonatal respiratory distress (hyaline membrane disease, transient tachypnea of newborn, meconium aspiration neonatal pneumonia, diaphragmatic hernia, congenital cystadenomatoid malformation, congenital lobar emphysema, tracheoesophageal fistula), childhood respiratory distress (asthma, pneumonia, croup, foreign body epiglottitis)</p> <p>C.Abdomen: acute abdomen (necrotizing enterocolitis, midgut volvulus, bowel atresia, meconium ileus; hypertrophic pyloric stenosis, inguinal hernia, appendicitis, intussusception), mass (Wilms' tumor, Neuroblastoma)</p> <p>D.Musculoskeletal system: developmental dysplasia of hip, trauma, rickets, child abuse</p> <p>E. Urinary tract: congenital anomaly, vesicoureter</p>

					al reflux
12	2013-11-09 (六)	2 - 4	3	醫放系 傅真如	<p>Image of musculoskeletal system</p> <p>I. Trauma- Radiographic evaluation of fracture and dislocation. - Special type of fracture and dislocation.</p> <p>II. Congenital variation</p> <p>III. Arthritis</p> <p>1. Osteoarthritis</p> <p>2. Inflammatory arthritis - Rheumatoid arthritis - Ankylosing spondylitis - Psoriatic arthritis - Reiter's syndrome</p> <p>3. Infectious arthritis - Pyogenic arthritis - TB arthritis</p> <p>4. Metabolic arthritis - Gout - CPPD</p> <p>IV. Bone tumor - Image modality -Radiographic Features (site , border, matrix ,type of bone destruction, periosteal reaction, Soft tissue mass) - Bone tumor 個論</p>
13	2013-11-16 (六)	2 - 4	3	中醫系 黃敏政	<p>Imaging of the Spine</p> <p>-Imaging modalities</p> <p>-Imaging anatomy of the spine</p> <p>-Common diseases of the spine</p> <p>a. Congenital anomalies</p> <p>b. Degenerative spinal diseases</p> <p>c. Neoplasms of the spine</p> <p>d. Infections of the spine</p> <p>Pediatric Neuroradiology</p> <p>-Imaging modalities</p>

					<ul style="list-style-type: none"> -Pediatric neuroimaging: why? -Normal brain development -Common pediatric CNS diseases <ul style="list-style-type: none"> a. Congenital anomalies b. Perinatal insults and hypoxic-ischemic insults c. Vascular anomalies d. Pediatric brain tumors e. Infectious diseases f. Inborn errors of metabolism
14	2013-11-23 (六)	2 - 4	3	醫放系 吳樹鏗	<p>Imaging of head and neck, imaging of intracranial neoplasms</p> <p>A. Brain tumor (histologic classification)</p> <p>1. Primary tumors</p> <p>--glial tumor (glioma): Astrocytoma, Oligodendro glioma, Ependymoma, subependymoma Choroid plexus papilloma, carcinoma</p> <p>--nonglial tumors:</p> <p>Neuronal & mixed neuronal-glia tumor: ganglioglioma, gangliocytoma, central neurocytoma;</p> <p>Meningeal & mesenchymal tumors: meningioma, hemangioblastoma;</p> <p>Pineal region tumors: germ cell tumor, pineoblastoma, pineocytoma;</p> <p>Embryonal tumors: PNET;</p> <p>Cranial nerve tumor: schwannoma, neurofibroma;</p> <p>Lymphoma,</p> <p>pituitary tumor,</p> <p>craniopharyngioma,</p> <p>chordoma,</p> <p>epidermoid</p> <p>2. Metastatic tumors</p> <p>-- Common: skull, leptomeninges (arachnoid/subarachnoid), parenchyma (gray-white matter junction)</p> <p>--Less common: dura, pia/subpial</p> <p>B. Head and neck Imaging</p> <p>1. Nasopharyngeal carcinoma (NPC)</p> <p>2. Oropharyngeal CA: Soft palate, Tonsillar pillar,</p>

					<p>Tongue base (lingual tonsil), Posterior wall</p> <p>3.Oral cavity cancer: Lips, Buccal mucosa, Floor of mouth, Oral tongue, Hard palate, gingiva, retro molar trigone</p> <p>4.Hypopharyngeal carcinoma: Pyriform sinus, Retrocricoid space. Posterior hypopharyngeal wall</p> <p>5.Larynx carcinoma: supraglottic, glottic, subglottic, Transglottic</p>
15	2013-11-30 (六)	2 - 4	3	醫放系 衛優遊	<p>授課主題： Imaging of orbit, inflammatory and degenerative lesions of CNS</p> <p>學習目標：(1)眼眶的影像解剖及常見疾病的影像表現，(2)常見神經系統感染症之分類及其在影像上之表現，(3)影像檢查在正常腦部退化、腦灰質退化疾病及腦白質退化疾病之應用。</p> <p>大綱：</p> <p>(1) 眼眶的影像解剖及常見疾病的影像表現: A. Normal imaging anatomy of the orbit B. Imaging diagnosis of orbital diseases 1. Congenital lesions 2. Inflammatory diseases 3. Orbital tumor 4. Orbital vascular lesions 5. Orbital trauma</p> <p>(2) 常見神經系統感染症之分類及其在影像上之表現: A.Classifications of CNS inflammatory/infections diseases B. Imaging features of common CNS infections 1. Subdural/epidural empyemas 2. Meningitis 3. Encephalitis 4. Abscess 5. Ventriculitis 6. Pyogenic infection 7. Granulomatous infection 8. Viral infections 9. Fungal infections</p>

				<p>(3) 影像檢查在正常腦部退化、腦灰質退化疾病及腦白質退化疾病之應用:</p> <p>A. Normal aging brain</p> <ol style="list-style-type: none"> 1. White matters 2. Gray matters 3. CSF spaces <p>B. Gray matter neurodegenerative diseases</p> <ol style="list-style-type: none"> 1. Alzheimer disease 2. Parkinson disease 3. CJD 4. Cerebella degeneration <p>C. White matter neurodegenerative disease</p> <ol style="list-style-type: none"> 1. Vascular 2. Toxic 3. Iatrogenic 4. Viral disease 5. Multiple sclerosis
16	2013-12-07 (六)	2 - 4	3	<p>醫放系 秦嗣騏</p> <p>授課主題： Imaging of head injury and vascular lesions of CNS</p> <p>學習目標：學習頭部外傷，腦血管畸型的機轉，與影像診斷。</p> <p>大綱：</p> <p>Part 1. Imaging of head trauma: describe nature, mechanism, significance of head trauma, indications and choices of imaging modalities. The outline is as follows:</p> <ol style="list-style-type: none"> 1. When to do brain imaging in trauma setting? 2. What imaging is appropriate? 3. Advantage and disadvantage of each imaging modality 4. Review of important cranial CT anatomy <p>Part 2. Imaging of CNS vascular lesions</p> <ol style="list-style-type: none"> 1. Craniocerebral injuries: common cause of hospital admission following trauma. 2. According to the National Institute of Neurological Disorders and Stroke (NINDS), CNS vascular disorders include arteriovenous malformations (A

					VMs), cavernous malformations, capillary telangiectases and venous malformations. 3. Advantage and disadvantage of each imaging modality (CT, MRI, DSA)
17	2013-12-14 (六)	2 - 4	3	醫放系 黃浩輝	<p>授課主題：Neuro-intervention</p> <p>學習目標：學習介入性神經放射線學的臨床應用、治療及預後。</p> <p>大綱：</p> <p>A. Knowledge of clinical and radiographic diagnostic techniques:</p> <ol style="list-style-type: none"> 1. CT scan 2. MRI 3. Cerebral angiography <p>B. Knowledge of natural history of lesions</p> <p>C. Knowledge of neurovascular anatomy, physiology, and pathophysiology</p> <p>D. Awareness of advantages and disadvantages of the various therapeutic options</p> <p>E. Equipment and basic techniques:</p> <ol style="list-style-type: none"> 1. Catheters and guide wire 2. Embolic materials 3. Stent <p>F. Introduction to interventional procedures:</p> <ol style="list-style-type: none"> 1. Endovascular therapy of head and neck tumor 2. Endovascular therapy of dural fistulas 3. Management of traumatic carotid-cavernous fistulas 4. Management of the head and neck bleeding 5. Embolization of intracranial arteriovenous malformations 6. Endovascular therapy of intracranial aneurysms 7. Fibrinolysis in cerebrovascular diseases 8. Angioplasty of intra/extra-cranial vessels <p>Embolization of spinal cord vascular lesions</p>
18	2013-12-21 (六)	2 - 4	3	醫放系 黃耀祥	Final Examination

課程名稱：內科學實習 Clinical Clerkship-Medicine

學年：102

學期：1

年級：5

課程大綱

教科書：

Harrison: Principles of Internal Medicine, 18th Edition

參考書：

1. Cecil: Textbook of Medicine, 24th Edition

2. Oxford: Textbook of Medicine, 5th Edition

整體教學目標：

培養及訓練學生以問題為導向、以全人照顧為本，學習內科疾病之症狀、檢查、思維及治療。

教學方法：

以病房為主，學習問診、理學檢查技巧、問題導向、病人為本之內科疾病診斷、治療及小組討論。

中文課程簡介：

病人所有相關之醫療、心理、社會、家庭問題即為內科學實習之課程

英文課程簡介：

All the patient-related medical, social, family problems are the core curriculum for the clerks.

1. Disorders of gastrointestinal, biliary tree, pancreas & liver

2. Disorders of renal & urinary tract system

3. Infection disease & sepsis

4. Disorders of Endocrine

5. Preventive medicine

6. Disorders of airways & lungs

7. Rheumatology

8. Hematology

成績考核：

內科學實習報告成績(考核 20%+病歷 20%, 出席率 10%, 值班 10%),

OSCE (10%), 護照 27%, 敘事醫學 3%

課程名稱：小兒科學實習 Clinical Clerkship-Pediatrics

學年：102

學期：1

年級：5

課程大綱

教科書：

1. Behrman：Nelson: Textbook of Pediatrics, 18th Ed, 2007, Saunders, Philadelphia

2. Mcmillan, Deangelis, Feigin & Wavshaw：Oski's Pediatrics：

Principles and Practice, 4th Ed. 2006. W&W

3. Colin D. Rudolph (ed.)：Rudolph's Pediatrics, 21th ed. 2003, McGraw-Hill .NY

4. Taeusch：Avery's Diseases of the Newborn, 8th Ed. 2005. Saunders

參考書：

1. 兒科治療手冊，合記圖書出版。

2. 兒童各次專科工作規範。

3. Scriver, Beaudet, Sly and Valle: The metabolic Basis of Inherited Diseases, Mc Graw-Hill 8th Ed.

4. Nathan & Oski Ed.: Hematology of Infancy and Childhood, Saunders Co., 2009(7th ed.)

5. Pizzo & Poplack: Principle & Practice of Pediatric Oncology, 2006 (5th ed.)

6. Feign & Cherry: Textbook of Pediatric Infectious Disease, Saunders Co. 6th ed. 2009

7. C. Warren Bierman: Allergic Disease of Infancy Childhood and Adolescence

8. Thompson & Thompson: Genetics in Medicine, W.B. Saunders Co. 7th 2007

9. Krugman & Katz: Infection Diseases of Children, C.V. Mosby Company

10. J.T. Cassidy, R.E. Petty: Textbook of Pediatric Rheumatology, 5th Ed., 2006, W.B. Saunders Co.

11. Stiehm: Immunologic Disorders in Infants & Children, 5th Ed., 2004, W.B. Saunders Co.

12. Walker's Pediatric Gastrointestinal Disease, Physiology, Diagnosis and Management, 5th Ed., 2010

13. Fanaroff & Martin: Neonatal-Perinatal Medicine, 8th Ed., 2006

14. Swaiman: Pediatric Neurology. Practice and Principle, 4th Ed. 1997, Mosby

15. Pediatric Cardiology for Practitioners. 5th 2007.

16. Moss and Adams. Heart Disease in Infants, Children and Adolescents Including the Fetus and Young Adult. 7th. 2008.

17. Pediatric Respiratory Medicine 2nd Edition. 2008. Mosby Elsevier Taussig LM, Landau LI, Le Souef PN, (ed.)

- 18.Brrok CGD, Hindmarsh PC :
Clinical Pediatric Endocrinology 6th ed.2009. Blackwell Science
- 19.AD Slonin : Pediatric Critical Care Medicine, LWW 2006
- 20.M Gausche-Hill :
The Pediatric Emergency Medicine Resource 4th edition, Jones and Barlett 2006
- 21.Ellis D. Avner, William E. Harmon, Patrick Niaudet. Pediatric Nephrology, 6th ed. 2009. Lippincott Williams & Wilkins
- 22.Nicholas Webb, Robert Postlethwaite. Clinical Paediatric Nephrology, 3rd ed. 2003. Oxford
- 23.Jones KL, Smith DW.Smith's Recognizable Patterns of Human Malformation.6th ed .Elsevier Saunders,2006.(Genetics 教學迴診必備)

整體教學目標：

小兒科學課程之教學目標在於培養及教導一般醫者對於兒科醫學應有的基本知識，尤其著重嬰兒、兒童及青少年各階段的正常生長、發育；兒科常見疾病之生理病理學和學習其診斷、處置及預防之方法。使醫學生能夠具有一般醫者對維護嬰兒、兒童及青少年身心健康該有的知識、技巧及其專業精神，同時養成爲兒童健康維護者角色的認知。

小兒科學課程之訓練目標如下：

- 1.瞭解小兒科並非成人的縮影，學習以兒童爲中心的醫療照護。
- 2.培養具優質臨床專業及人性化的全人醫師。
- 3.培養具人文社會關懷及良好醫病與人際關係的好醫師。
- 4.培養具邏輯思考、解決病人問題能力的好醫師。
- 5.培養具獨立學習、主動學習、終生學習的好醫師。
- 6.落實教學導向訓練目標。
- 7.學習兒童生長發育及兒童全人照護。

以病人爲中心的醫療，藉著兒科病房的實際照護，讓醫師感受到照護病人是以愛與關懷爲中心，讓醫師體認診療對象是人，而不是器官、疾病、或某一項不正常的檢驗數據，並經由各種討論會，灌輸小兒科整體醫療照護觀念。

教學方法：

教導實習醫學生對於核心課程知識之認知與了解，病患資料收集、整合、分析診斷之能力，病史詢問、理學檢查、醫療技術之能力應予以訓練，同時對病患病情，應具主動積極、自我學習之精神，提升照顧病患之責任感，培養與醫護同仁互動融洽，增進與病患家屬之間互動，以及迴診時之準備與守時態度。

中文課程簡介：

本課程乃爲學生提供兒科學基本知識而設計，在一學年的時間內依序認知嬰孩、

兒童及青少年的正常身心成長與發育；接著以介紹器官系統為導向，常見的兒科疾病：分為急性病、慢性病及其常見之症狀；兒童疾病一般治療方式與預後；兒童疾病及傷害之預防，另外特別強調嬰兒及其青少年期特有的問題、醫學遺傳及醫學和先天異常，以及如何確保兒童福祉。

英文課程簡介：

This course of pediatric medicine is designed for the 5th year medical students to provide them with the introductory knowledge and skills required for the management of infants, children, and adolescents. After completing the course, students are expected to have sufficient insight in managing pediatric patients as a general physician, and to be prepared to go into further study in pediatrics if they wish to. Emphasis of the study of this course will be placed on the specific characteristics in the field of pediatrics; factors that may influence the well-being of pediatric patients; and how to provide pediatric population with the best prospect for becoming mature adults. The curriculum includes normal growth and development of fetus, infants, children and adolescents; common pediatric diseases and their prevention; common symptoms and signs seen in children; and skills in approaching pediatric patients. Topics unique in infants and adolescents, in children with special needs, and the social-environmental impact on the health and welfare of pediatric population will be discussed. Learning objectives are proficient knowledge in general pediatrics, professionalism as a pediatrician, skills in obtaining medical history from care taker and children themselves, and comprehensive physical examination in infants and toddlers. After completing the course, students should be able to derive a rational differential diagnosis and plan for therapy based on clinical information they gathered.

成績考核：

考核內容包括對核心課程瞭解的程度、照護病人的態度、醫護關係的維繫、科內教學活動的參與狀況、學習態度是否積極、病歷寫作是否完整等。

課程名稱：神經科學實習 Clinical Clerkship-Neurology

學年：102

學期：1

年級：5

課程大綱

教科書：

1. Adam Victor et al: Adams and Victor's Principle of Neurology, 9th Ed, McGraw-Hill, 2009.
2. Rowland: Merrit's Textbook of Neurology, 12th Ed, Lippincott William & Wilkins, 2010.
3. Lindsay et al. Neurology Neurosurgery Illustrated, 4th Ed. Churchill Livingstone, 2004

參考書：

1. Bradley et al: Neurology in Clinical Practice, 5th Ed, Butterworth-Heinemann, 2007.
2. Brazis et al. Localization in Clinical Neurology, 5th Ed, Lippincott William & Wilkins, 2006.
3. Duus: Topical Diagnosis in Neurology, 4th Ed, Georg Thieme Verlag, 2005.
4. Mayo Clinic: Mayo Clinic Examinations in Neurology, 7th Ed, Elsevier, 1997.

整體教學目標：

依醫策會所擬定之一般醫學訓練精神與目的，即「讓受訓醫師在臨床指導教師指導下學習各種常見、一般性疾病的診斷、治療與照護能力，從病人的照護中學習與病人、家屬及醫療團隊成員的溝通能力、重視醫療品質的改善與醫療資源的最佳運用，養成對專業的敬重與責任感，進而配合政府衛生政策，提供民眾周全性及持續性的全人照護。」在神經內科的訓練期間，則是依據醫策會所擬定之與神經內科相關的核心課程加強訓練，訓練受訓醫師在臨床接觸神經科病人時有一完整的思考架構及技巧，並能應用神經學病史及檢查之技巧實際接觸、照顧病人，並能第一線處理神經科急症及常見之神經科疾病。

第一年（醫醫系五年級）實習醫學生的訓練是較偏重於臨床診斷技巧及思考模式的訓練。訓練的步驟是所有的學員皆需學會核心課程所規定的項目，之後在依學員的能力及時間，予以核心課程以外之神經科急症和常見神經科疾病訓練。

教學方法：

- (1) Orientation, neurological history taking and examination
- (2) UGY teaching course: neurological emergency—Mini-Lectures
 - a. Management of acute stroke

b.Management of epilepsy and status epilepticus

c.Management of CNS infection

d.Management of Guillain-Barre syndrome

e.Management of myasthenia gravis

f.Management of consciousness disorders

(3)Training of patient care, oral presentation and discussion (床邊教學、門診教學、晨會、接新病人及值班)

中文課程簡介：

1. 必修項目：核心課程如表一所列，但其執行步驟如下所述 -

(1)熟悉神經學病史及檢查之技巧和意義，並能實際接觸病人和操作 (History taking and neurological examinations)。

(2)熟悉如何根據病史和神經學檢查來診斷可能之病變位置 (Localization and anatomical diagnosis)。

(3)熟悉如何根據病史、神經學檢查和可能病變位置來推測其可能之病理生理機轉、病因和鑑別診斷(Pathophysiology, etiology and differential diagnosis)。

(4)熟悉如何安排適當之檢查工具來協助確定診斷及判讀 (Laboratory examinations，如腦脊髓液檢查、腦部電腦斷層及磁共振造影)。

(5)實際照顧病人，學習如何對常見之神經內科疾病作一般性的處置原則，並能獨立第一線處理神經科急症的能力(Treatment)。

(6)學習討論、解決神經內科疾病相關之醫學倫理、實証醫學應用或醫療品質問題。

(7)學習床邊技術：lumbar puncture。

神經科核心課程基本要求

類別 核心課程

症狀或徵候:

1. 頭痛
2. 頭暈
3. 下背痛
4. 運動障礙
5. 感覺障礙

病態或疾病:

- 1.意識障礙
- 2.腦血管疾病
- 3.多發性神經病變 (選修)
- 4.帕金森氏症 (選修)

5.癲癇（選修）（但至少 3-5 需三選一）

臨床技能 理學檢查技巧:

一般外觀、生命徵象（含血壓、體溫、脈搏、呼吸速率）、身高及體重、意識狀態的評量*、皮膚檢查、頭部及顏面檢查、眼睛檢查、耳朵、鼻、口、咽喉檢查、頸部檢查、淋巴結檢查、胸肺檢查、心血管及周邊脈搏檢查、腹部檢查、背部檢查、直腸指診、四肢檢查、骨骼關節檢查、神經學檢查*、精神狀態檢查/認知評量。「選修」-男性泌尿生殖器檢查。

影像學判讀:電腦斷層、磁振造影判讀（選修）

實驗診斷技巧與判讀:腦脊髓液檢查結果判讀（選修）

操作技巧及治療技巧:觀察腰椎穿刺（選修）

* 表示在神經科訓練需特別加強的。

2. 選修項目

(1)常見神經科超音波及電生理檢查原理之探討、了解執行步驟、並實際操作及判讀。

(2)神經科各次專科相關疾病之探討。

英文課程簡介：

A. Compulsive courses: Core curriculums (Table 1) and steps of learning.

(1) Knowing and doing the knowledge and perform the skills of history taking and neurological examinations in the clinical practice.

(2) Knowing and doing the localization and anatomical diagnosis according to the clinical information.

(3) Analyzing the possible pathophysiology, etiology and differential diagnosis according to the clinical information, especially the temporal factors.

(4) Familiar with the indications and interpretation of common laboratory examinations in neurology, especially cerebrospinal fluid, computed tomography and magnetic resonance imaging, and knowing how to arrange and to confirm the diagnosis.

(5) Knowing and doing the general principles of management and doing the primary care by supervision.

(6) Knowing and doing how to think, how to think logically, and how to communicate with the others under the basic knowledge of evidence-based medicine, medical ethics, and safety and quality of care.

B. Elective courses

(1)Knowing the principles, procedures, interpretation and practice of common neurological laboratory examinations, including neurosonology,electroencephalography, evoked

ed potentials, nerve conduction velocity and electromyography.

(2) Knowing the principles, procedures, and interpretation of lumbar puncture.

(3) Learning the other neurologic diseases of non-core curriculums.

成績考核：

指導醫師評核

課程名稱：精神醫學實習 Clinical Clerkship-Psychiatry

學年：102

學期：1

年級：5

課程大綱

教科書：

1. American psychiatric association: Diagnostic and statistical manual of mental disorders DSM-IV-TR Fourth Edit (Text Revision). Washington DC, 2000.
2. American psychiatric association: Diagnostic and statistical manual of mental disorders DSM-V. Washington DC, 2013.
3. World health organization: The ICD-10 classification of mental and behavioral disorders: clinical descriptions and diagnostic guidelines. Geneva, 1992.
4. 中華民國精神醫學會:精神與行為障礙之分類。健康文化，台北，1996。
5. Kaplan HI, Sadock B, Grebb J. Synopsis of psychiatry. 10th ed., Williams & Wilkins, Baltimore, 2007.
6. 照會精神醫學。合記書局，台北，2005。

參考書：

1. Kaplan HI, Sadock BJ. Comprehensive textbook of psychiatry. Ninth edition., Williams & Wilkins, Baltimore, 2009.
2. Gelder M, Gath D, Mayou R, Cowen P. Shorter Oxford textbook of psychiatry. Oxford University Press, Oxford, 2001.
3. Lishman WA. Organic psychiatry: The psychological consequences of cerebral disorder. Third edition, Blackwell. 1998.
4. Johnstone EC, Owens DC, Lawrie SM, McIntosh AM, Sharpe MD. Companion to psychiatric studies. Eighth edition, Churchill Livingstone, Edinburgh, 2010.
5. 胡海國。精神醫學診斷手冊。第一版，健康世界/台大醫學院，台北，1991。
- Schiffer RB, Rao SM, Fogel BS. Neuropsychiatry. Second edition. Williams & Wilkins, Baltimore, 2003.

整體教學目標：

1. 臨床照護病人能力：藉由病人照顧級個案討論，能讓實習醫學生展現愛心、關懷與同理心，提供病人適切有效的照護，以解決其健康問題。
2. 完整與優質的專業醫學知識：藉由核心課程的教授，專家學者之演講及文獻選讀，讓學生能理解與應用生物、心理、社會、種族、文化等與健康相關知識，並懂得運用專業相關的基礎與臨床醫學知識處理、分析與研究病人問題。
3. 實作為基礎之終身、自我學習與改進：藉臨床技能教授及討論與病人照護的

過程，使醫學能具備評估現行醫療照護內容，經過終身、自我學習，吸收科學實證資料並評判資料之可靠性與在病人的適用性，從而改善病患照護；追求醫療品質改善。

4. 良好的人際關係及溝通技巧：著重實習醫學生之溝通技巧與會談訓練，讓學生能有良好的人際關係與溝通技能以便與病人、家屬、同儕及醫療團隊進行資訊交換與溝通，建立團隊合作及良好的傾聽、表達與同理心。

5. 優質的專業精神及倫理：由精神醫學倫理及精神衛生法延伸至臨床實務之探討，培養學生負責任、尊重、紀律、與愛心之專業態度，堅守醫學倫理原則及對各種病人能包容跨文化間差異；對病人年齡、性別、種族、宗教差異具有一定的理解與敏感度。

6. 制度與體系下之醫療工作：學習精神 Bio-Psycho-social 照護模式，讓學生能夠認知健康照護制度與體系之運作及緣由；有效整合所有資源以提供適切醫療照護；著重病患安全並避免系統性錯誤，檢討各項醫療決策及操作內容，評估系統資源內容減少系統性錯誤。

教學方法：

- 1.門診訓練
- 2.急性精神疾病之積極治療訓練
- 3.日間病房復健治療
- 4.照會（急診）精神醫療訓練
- 5.兒童青少年精神醫學訓練
- 6.最新文獻選讀惠
- 7.病例討論會

中文課程簡介：

精神醫學之實習課程共為三週：1 週於林口總院 3G 急性病房，1 週於兒童心智科門診，1 週於精神科門診、日間病房及會診。均分配臨床病人照顧，須參與病房治療團隊，在主治醫師及住院醫師指導監督下，學習會談技巧，精神狀態檢查，病人處理，團隊合作，及病歷紀錄。並需在病房值班。實習期間科內各項晨會、學術活動及病房團隊治療會議均須出席。

英文課程簡介：

There will be three weeks for psychiatric clerkship training, including: one week in the psychiatric acute ward; one week in the child psychiatric division; and one week for the psychiatric outpatient clinic, daycare center and consultation. The practice in psychiatric training for clerks covers patient care, writing medical charts and night duty under supervision of attending staff and residents. Clerks also need to learn interview skills, the mental status examination, the management of psychiatric patients and teamw

ork. The morning meeting, academic activities, and the team meeting are all compulsory to attend.

成績考核：

1.各指導老師綜合評核:

- a.病房內個案之照顧、醫病關係及團隊合作評估。
- b.晨會個案報告
- c.病歷書寫情形
- d.實習醫學生臨床學習態度
- e.臨床基本核心訓練

2.評分原則:

教師(主治)醫師評量 15%

住院醫師評量 15%

學習護照 15%

病歷報告 5%

出席 20%

Mini-CEX 10%

個案報告-口頭 15%

值班紀錄 5%

課程名稱：復健科學實習 Clinical Clerkship-Rehabilitation Medicine

學年：102

學期：1

年級：5

課程大綱

教科書：

1. Delisa et al : Rehabilitation Medicine – Principle and Practice. 4th Edition, 2004.
2. Grabis et al: Physical Medicine and Rehabilitation: The complete approach. 1st, 2000
3. Kottle et al: Krusen's handbook of physical medicine W.B. Saunders Co.
4. Braddom: Physical Medicine and Rehabilitation. 3rd, 2007, WB Saunders Company.

參考書：

Jackson C. Tan: Practical Manual of Physical Medicine and Rehabilitation. Mosby. 1st. 1998

整體教學目標：

給予醫學生完整復健醫學的概念，瞭解復健醫學的服務和研究領域，未來能在臨床服務與基礎研究上，能有更寬廣的知識與思考，或在復健醫學團隊中，成功扮演協調領導的角色。

教學方法：

臨床實習為主

中文課程簡介：

介紹復健醫學之內容及新近發展

英文課程簡介：

The course for the rehabilitation medicine class is designated for the fifth grade of the medical students. It includes general introduction and essential clinical practices in the field of the rehabilitation medicine, the details of which may check in the syllabus. Rehabilitation is the process of helping a person to reach the fullest physical, psychological, social, vocational, avocational, and educational potential consistent with his or her physiological or anatomic impairment. Patients, their families, and their rehabilitatio

n teams work together to determine realistic goals and to develop and carry out plans to obtain optimal function despite residual disability, even if the impairment is caused by a pathological process that cannot be reversed.

Rehabilitation is a concept that should permeate the entire health-care system. It should be comprehensive and include prevention and early recognition, as well as outpatient, inpatient, and extended care programs. Anticipated patient outcomes of such a comprehensive and integrated rehabilitation program should include increased independence, a shortened length of stay, the most efficient use of evolving health-care systems, and an improved quality of life.

After complete the study of the Rehabilitation Medicine course, the medical students in the class should realize the scope in the field. Understanding helps them in clinical services and research regarding the field in the future.

成績考核：

報告 70% +平常考核 30%

課程名稱：影像診療學實習 Diagnsotic Imaging & Intervention Practice

學年：102

學期：1

年級：5

課程大綱

教科書：

作者: Richard B. Gunderman

書名: Essential Radiology

出版商: Thieme Medical Publishers. Inc.

發行地: United States of America

出版年份: 1998

起訖頁數: 1-576

參考書：

1.書名:Diagnostic Imaging

作者:Peter Armstrong, Martin L Wastie

出版社: PG Publishing Pte Ltd

2.書名: Clinical Radiology the Essentials (third edition)

作者: Richard H. Daffner

出版社: Lippincott Williams & Wilkins

3.書名:Diagnostic Radiology (Volume 1, 2, 3)

作者: R.G.Grainger, D.J.Allison

出版社: Churchill Livingstone

整體教學目標：

一、了解目前可取得的常規影像檢查之

適應症 (Indications)、

禁忌症 (Contraindications)、

可能發生之併發症 (Potential Complications)、

檢查之費用 (Costs)。

二、解各影像檢查之效益和其極限 (Diagnostic values)。

三、注意及了解病人對檢查的恐懼和憂慮。熟悉每項檢查的事前準備 (preparation)，檢查後護理 (post-procedure care)，和檢查的安全性。

四、學習辨識正常影像解剖學和常見的異常影像; 並推論出相關的病理和生理問題。

五、學習整理病人的病史和檢驗數據，學習根據臨床資訊和影像異常導出有意義的鑑別診斷。

教學方法：

- 1.每週一至週五上午 9：00~10：00、下午 13：00~14：00 的見習課程，內容包含胸腔、消化道、泌尿、肌肉骨骼、頭頸部、心臟血管、神經影像診療等課程。
- 2.每批次實習醫學生至本科實習時，由 CR 分組建立由 clerk→intern →CR →導師的團隊教學方式。
- 3.學習護照內需完成 10 個核心學習目標記錄、2 個病例報告及 1 個 MRI 基本 Q and A。

中文課程簡介：

學生在兩個星期的實習期間，參與小組和團隊教學、臨床個案討論、科部導師 Q&A 和早上晨會，達成本科部設定的核心學習目標。學生需完成學習護照及學前和學後的自我評量，實習結束前本科部會以筆試和閱片考核學生。

英文課程簡介：

Within a 2-week clinical clerkship, students attend teaching round and “Q and A” session in a small learning group. They have to work with our interns, residents, and attending radiologists as a team. They have to fill out the pre-learning and post-learning self-assessment forms, and complete the core learning points in the learning passport. Students have to give a case presentation and undertake an evaluation test at the end of training.

成績考核：

實習結束後依實習醫學生實習期間各項出席率(晨會出席率、上課及至檢查室出席情形)及學習狀況(閱片考試及病例報告)和護照完成情形作為評分項目，每個評分項目分為 5 個等級，五個項目所得分數加總即為該實習醫學生所得分數。

課程名稱：英文病歷寫作之原理及應用 Principle and Practice of Medical Records Practice

學年：102

學期：1

年級：5

課程大綱

教科書：

上課講義為主

參考書：

1. 【病歷書寫參考指引】

編著者：中華民國醫療品質協會

出版者：合記圖書出版社

出版日期：08/01/2005

2. 【臨床醫學英文之正確寫法修訂版】

編著者：林永明

出版者：藝軒圖書文具有限公司

出版日期：01/01/2008

3. 【病歷寫作與記錄用語】

編著者：謝水森

出版者：國興出版社（新竹黎明）

出版日期：03/01/2004

4. Being a Medical Records/Health Information Clerk (3rd Edition)

作者：Kathryn McMiller

出版者：Prentice Hall

出版日期：05/13/2003

5. Medical Records and the Law, Fourth Edition

作者：William H. Roach

出版者：Jones and Bartlett Publishers

出版日期：04/28/2006

6. Medical Records Review and Analysis

作者：Charles C. Sharpe

出版者：Greenwood Publishing Group

出版日期：05/30/1999

7. 長庚醫院林口總院教學部網站 病歷書寫參考指引

http://lnkwww.cgmh.org.tw/intr/c38e00/EBOOK/MR_1.htm

整體教學目標：

宗旨: 提升見習醫學生病歷寫作之核心能力

目標: 五年級見習(中)醫學生完成課程後，進入臨床開始照顧病患時，對於病歷的種類及應用方式，能瞭解並擁有充份的知識，能熟悉書寫各式病歷的技能，並且建立人本、實證、倫理、法律的病歷記載態度。

教學方法：

課堂教學

中文課程簡介：

1. 講述病歷的種類、格式及應用時機
2. 病歷書寫的原理、方法及基本技巧
3. 特殊病歷、診斷書及會診記錄
4. 融入實證醫學、醫學倫理、醫療法規、病患自主等多項人文精神的病歷寫作
5. 醫療記錄常見錯誤分析及改善方案的教學

英文課程簡介：

1. Types of medical records, the format and timing to apply
2. Principles, methods and basic skills of writing good medical records
3. Medical records for special purpose, certifications and consultation records
4. Medical record writing with EBM, medical ethics, laws, Patient autonomy and humanity
5. Frequent mistakes in writing medical records: analysis and strategy of improvement

成績考核：

1. 上課出席率 (佔 80%)，無筆試
2. 期末繳交兩份報告，分別是入院病歷和病程記錄各一份 (佔 15%)
3. 課堂提問與回饋 (佔 5%)

教學進度

項次	上課日期/ 星期	開始/ 結束	時數	授課教師	教學進度
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		節次			
1	2013-08-15 (四)	9 - 9	1	醫學系內科 許翔皓	Introduction and theory of writing medical records (英文病歷寫作課程介紹及總論)
2	2013-08-22 (四)	9 - 9	1	護理系 李明勳	Problem-oriented medical writing and SBAR (問題為導向的病歷記錄及 SBAR)
3	2013-08-29 (四)	9 - 9	1	醫學系內科 陳永昌	Admission note (入院病歷)
4	2013-09-05 (四)	9 - 9	1	醫學系內科 鄭昌錡	Order sheet and TPR sheet (醫囑單及生命徵象表)
5	2013-09-12 (四)	9 - 9	1	醫學系內科 陳永昌	Progress note (病程記錄)
6	2013-09-26 (四)	9 - 9	1	護理系 李明勳	Discharge note (出院病歷)
7	2013-10-03 (四)	9 - 9	1	醫學系外科 江仰仁	Pre-OP evaluation, OP and Post-OP note (手術前評估、手術記錄及術後記錄)
8	2013-10-17 (四)	9 - 9	1	醫學系內科 許翔皓	Making consultation (會診)
9	2013-10-24 (四)	9 - 9	1	醫學系內科 鄭昌錡	Out-patient clinic note and writing outpatient teaching records (門診病歷及教學門診病歷書寫)
10	2013-10-31 (四)	9 - 9	1	醫學系外科 林萍章	Medical certifications and legal responsibility in medicine (各式診斷書及醫療法律責任)
11	2013-11-07 (四)	9 - 9	1	醫學系內科 許翔皓	Multi-faceted medical records: insurance, law, education and research (多面向的醫療記錄：保險、法律、教育、研究)
12	2013-11-14 (四)	9 - 9	1	醫學系內科 余光輝	Evidence-based medical writing (EBM 精神的病歷寫作)
13	2013-11-21 (四)	9 - 9	1	護理系 李明勳	Analysis on common mistakes of English in medical records: part I (醫療記錄英文常見錯誤分析之一)
14	2013-11-28	9 - 9	1	醫學系神經科	Features of medical records in neurology

	(四)			張寓智	(神經科病歷的特色)
15	2013-12-05 (四)	9 - 9	1	中醫系 田亞中	Analysis on common mistakes of English in medical records: part II (醫療記錄英文常見錯誤分析之二)
16	2013-12-12 (四)	9 - 9	1	醫學系兒科 歐良修	Features of medical records in pediatric care (小兒科病歷的特色)
17	2013-12-19 (四)	9 - 9	1	醫學系內科 鄭昌錡	Reflecting medical ethics and patient's right in medical records and informed consent form (同意書與體現醫學倫理及病人自主精神的病歷)
18	2013-12-19 (四)	10 - 10	1	醫學系內科 許翔皓	Facing trends of medical records writing in Chinese language (面對病歷中文化的趨勢)

課程名稱：醫用台語 Medical Taiwanese

學年：102

學期：1

年級：5

課程大綱

教科書：

1. 醫護台語教學用書 Medical Taiwanese Textbook 張嘉謙編著 臺北醫學大學出版 101 年 10 月
2. 醫務台文課本 林繼雄 鍾高基 余永吉 林理智 李榮貴 林柏年 共著 財團法人育德文教基金會 2005 年

參考書：

台語真簡單 何冬凡 三思堂 2005

整體教學目標：

學生在進入實際臨床醫療中有良好台語溝通能力

教學方法：

本課程以多樣性、活潑性教授為原則，包括：演講、與病人會談心得討論、角色扮演、小組討論等方式來呈現整個課程

中文課程簡介：

醫學是以人為中心的照護，隨著科技的演進，醫學教育逐漸偏向科學知識的傳授、疾病診療、技術訓練，人文教育逐漸被忽略，醫療逐漸遠離人性；在此同時醫病關係趨複雜化，醫學生台灣本土語言能力不足、語言文化了解不深，因此造成與患者溝通不良甚至產生醫療爭議。台灣醫療體系不重視病人的語言權，不能為單語病人提供語言服務，損害患者知及被告知的權利，阻礙知情同意權行使。醫療人員常利用親友或其他工作同仁作為臨時口譯，不但影響專業醫病溝通、造成誤解，且可能產生違反醫療倫理情況。為使醫學生在進入實際臨床醫療中有良好溝通，特開設臨床醫用台語溝通以改善其溝通能力。

英文課程簡介：

Medical care is centered on human being, with rapid progress in technology; medical education gradually puts emphasis toward continuation of scientific knowledge, diagnosis and treatment of diseases, and technical training. However, issues of medical humanity are often ignored. The course is designed to improve clinical communication of medical Taiwanese.

The course is proceeding with versatile and interesting manner. The entire course is presented through lectures, discussion, facing patients, doctor role-playing (in which students get the opportunities to experience being patients and various roles.) As our ultimate goal, we wish students to learn these skills of communication using Taiwanese.

成績考核：

1. 期末測驗：每位醫師準備一完整病例以台語報告並角色扮演呈現
2. 期末課程心得及問卷一份
3. 出席率、參與度

教學進度

項次	上課日期/ 星期	開始/ 結束 節次	時數	授課教師	教學進度
1	2013-08-05 (一)	5 - 6	2	醫學系內科 余志騰	胸腔疾病之說明與告知 Explaine intrathoracic disease
2	2013-08-05 (一)	9 - 10	2	醫學系 黃吉德	台語之美談發音(1)(2) Pronounce by Taiwanese
3	2013-08-06 (二)	5 - 6	2	醫學系內科 高振益	癌症病患之說明與告知 Explaine to cancer patient
4	2013-08-06 (二)	7 - 8	2	醫學系內科 高振益	用藥資訊說明與取得 Explaine medicine's information
5	2013-08-06 (二)	9 - 10	2	醫學系 黃吉德	日常生活台語(1)(2) Life Taiwanese
6	2013-08-07 (三)	5 - 6	2	中醫學系內科 蔡銘鴻	胃腸肝膽疾病之病況解釋與說明 Explaine Gastroenterology disease
7	2013-08-07 (三)	7 - 8	2	醫學系內科 葉森洲	心臟疾病之說明與告知 Explain cardiovascular disease
8	2013-08-08 (四)	7 - 7	1	醫學系內科 陳永昌	住院病例之台語介紹 case report by Taiwanese
9	2013-08-08 (四)	8 - 8	1	醫學系內科 陳永昌	系統回顧之台語演練 System review by Taiwanese
10	2013-08-09 (五)	2 - 4	3	醫學系 方基存	角色扮演(1)(2)：每位醫師準備一份完整病例以台語報告呈現及期末測驗 roal playing and final exam.

