

義守大學醫學系基礎課程指定教科書暨參考書目

學科	命題大綱	種類	教科書 (作者, 書名, 出版社, 出版年份&版次)
大體解剖學	解剖學 (anatomy) 頭、頸部 (head and neck) 胸、腹、骨盆 (chest, abdomen and pelvis) 上、下肢 (含肩帶、腰帶) [upper and lower extremities (including shoulder girdle and pelvic girdle)]	指定教科書	1. Susan Standring PhD DSc. Gray's Anatomy : The anatomical basis of clinical practice. E-edition. Elsevier. 2020, 42 edition. 2. F. Dalley II. Clinically Oriented Anatomy. LWW. 2022, 19 edition. 3. Richard L. Drake. Gray's Anatomy for Students. Elsevier. 2019, 4 edition.
神經解剖學	神經解剖學 (neuroanatomy)	指定教科書	1. John Kiernan. Barr's The Human Nervous System : An Anatomical Viewpoint. LWW. 2013, 10 edition. 2. Duane E. Haines. Fundamental Neuroscience for Basic and Clinical Applications. Elsevier. 2017, 5 edition.
胚胎及發育生物學	胚胎及發育生物學 (formation of embryo and fetus, development of organs)	指定教科書	1. Keith L. Moore. The Developing Human : Clinically Oriented Embryology. Saunders. 2019, 11 edition. 2. T.W. Sadler. Langman's Medical Embryology. LWW. 2018, 14 edition.
組織學	組織學 (histology) 細胞、基本組織及器官 (cells, fundamental tissues and organs)	指定教科書	1. Barbara Young. Wheater's Functional Histology : A text and colour atlas. Churchill Livingstone. 2013, 6 edition. 2. Wojciech Pawlina. Histology : A text and atlas. LWW. 2018, 8 edition.
生理學	生理學 (physiology) - 細胞生理 (cell physiology) - 神經 (nerves) - 肌肉 (muscles) - 血液 (blood) - 心臟及血管 (heart and vessels)	指定教科書	1. Costanzo. BRS: Physiology. Lippincott Williams & Wilkins. 2023, 8 edition. 2. Hall. Guyton and Hall Physiology Review. Elsevier. 2021, 4 edition. 3. Hall. Guyton and Hall Textbook of Medical Physiology (IE). Elsevier. 2021, 14 edition.

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	◆ 呼吸 (respiration) ◆ 消化 (digestion) ◆ 腎臟 (kidneys) ◆ 內分泌及新陳代謝 (endocrine and metabolism) ◆ 生殖 (reproduction)		4.Barrett. Ganong's Review of Medical Physiology (IE). McGraw-Hill. 2019, 26 edition. 5.Eric Widmaier. Vander's Human Physiology: the mechanisms of body function. McGraw-Hill Education. 2019,15 edition.
病理學	病理學 (pathology) ◆ 細胞傷害、炎症與組織修復 (cell injury, inflammation and tissue repair) ◆ 免疫、感染及遺傳疾病 (diseases of immunity, infectious diseases and genetic disorders) ◆ 腫瘤 (neoplasia) ◆ 心臟血管系統疾病 (diseases of the cardiovascular system) ◆ 血液、淋巴系統疾病 (diseases of blood and lymphatic system) ◆ 呼吸系統疾病 (diseases of the respiratory system) ◆ 消化系統疾病(diseases of the digestive system) ◆ 腎臟、泌尿道及內分泌疾病 (diseases of the kidney, lower urinary tract and endocrine system) ◆ 生殖系統及乳房疾病 (diseases of reproductive system and breast) ◆ 神經、肌肉、骨骼系統、眼睛及皮膚疾病(diseases of the nervous, muscular and skeletal systems, diseases of the eye and skin)	指定教科書	1.Vinay Kuma. Basic pathology. Saunders.2007,8 edition. 2.Vinay Kumar MBBS MD FRCPath. Robbins & Cotran Pathologic Basis of Disease. Elsevier. 2020, 10 edition.

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藥理學	藥理學 (pharmacology) - 藥理概論 (藥理作用機制、藥物吸收、分佈、代謝、排泄、藥物臨床試驗) [introduction to pharmacology (mechanism of pharmacological effects, absorption, distribution, metabolism, excretion of drugs, clinical trials of drugs)] - 化學治療 (包括抗細菌、抗真菌、抗病毒、抗寄生蟲、抗腫瘤) [chemotherapy (including anti-bacterial, anti-fungal, anti-viral, anti-parasite, anti-neoplasm)] - 血液系統作用藥物 (包括免疫抑制或免疫促進劑, 造血功能促進劑、抗凝血、抗血栓、抗血小板、降血脂) [drugs affecting the hematological system (including immunosuppressants and immunostimulant drugs, hematopoietic drugs, anticoagulants, antithrombotics, antiplatelet agents, lipid lowering agents)] - 荷爾蒙及荷爾蒙拮抗劑 (hormones and hormone antagonists) - 腎臟與心血管系統作用藥 (drugs affecting the kidney and cardiovascular system) - 自主神經系統作用藥物 (drugs affecting the autonomic nervous system) - 胃腸道與呼吸道作用藥物 (drugs affecting the gastrointestinal and respiratory tracts) - 自泌素與抗發炎藥物 (autocrine and anti-inflammatory drugs)	指定教科書	1. Bertram Katzung. Basic & Clinical Pharmacology . McGraw Hill / Medical. 2020 ,15 edition. 2. Kenneth Minneman. Human Pharmacology : molecular to clinical . Mosby. 2004, 4 edition.
		參考教科書	1. Michael J. Neal. Medical Pharmacology at a Glance . Wiley-Blackwell. 2020-02-13. 9/e. 2. Karen Whalen. Lippincott Illustrated Reviews: Pharmacology . Wolters Kluwer. 2022-10-18. 8/e.

學科	命題大綱	種類	教科書 (作者，書名，出版社，出版年份&版次)
	◆ 中樞神經系統作用藥物、全身麻醉及局部麻醉劑 (drugs affecting the central nervous system, general and local anesthetics) ◆ 其他 (如重金屬、解毒劑、基因療法等) [miscellaneous (heavy metals, antidotes, gene therapy, etc.)]		
生物化學	生物化學 (biochemistry) ◆ 胺基酸、蛋白質與酵素、醣類、脂質、維生素及輔酶之結構與功能 (structures and functions of amino acids, protein and enzymes, carbohydrates, lipids, vitamins and coenzymes) ◆ 核苷酸與核酸結構、DNA 複製與修補、基因表現與調控及蛋白質合成 (structures of nucleotides and nucleic acids, replication and repair of DNA, gene expression and regulation and synthesis of proteins) ◆ 中間代謝及調控 (包括醣類代謝、脂肪酸、脂質及含氮化合物代謝、呼吸鏈及氧化磷酸化作用、荷爾蒙作用及訊號傳遞等) [intermediate metabolism and regulations (including metabolisms of carbohydrates, fatty acids and nitrogenous compounds, respiratory chain and oxidative phosphorylation, action of hormones and signal transduction)]	指定教科書	1. Thomas M. Devlin. Textbook of Biochemistry with Clinical Correlation. John Wiley & Sons. 2010, 7 edition. 2. David L. Nelson. Lehninger Principles of Biochemistry. W.H. Freeman. 2021, 8 edition. 3. Christopher Mathews. Biochemistry. Pearson. 2012, 4 edition.
微生物免疫學	微生物學 (microbiology) ◆ 細菌學 (bacteriology) 1. 細菌構造、生理、新陳代謝、遺傳、致病機制	指定教科書	1. Charles Janeway. Immunobiology, The Immune System in Health and Disease. W. W. Norton & Company. 2022, 10 edition.

學科	命題大綱	種類	教科書 (作者, 書名, 出版社, 出版年份&版次)
	(structure physiology, metabolism, genetics, mechanisms of bacterial pathogenesis) 3. 抗 生 素 及 化 學 治 療 (antibiotics and chemotherapy) 4. 革蘭氏陽性細菌 (Gram-positive bacteria) 5. 革蘭氏陰性細菌 (Gram-negative bacteria) 6. 分枝桿菌 (mycobacteria) 7. 厭氧菌 (anaerobes) 8. 軍團菌屬(legionella)、黴漿菌(mycoplasma)、披衣菌(chlamydia)、立克次體(rickettsia)、螺旋體屬(spirochaete) ◆ 病毒學 (virology) 1. 病毒的分類、構造、複製 (viral classifications, structure, replication) 2. 病毒致病的機制 (mechanisms of viral pathogenesis) 3. 抗病毒藥物及病毒性疾病的實驗室診斷 (antiviral agents and laboratory diagnosis of viral disease) 4. DNA 病毒 (DNA viruses) 5. RNA 病毒 (RNA viruses) 6. 反轉錄病毒 (retroviruses) 7. 肝炎病毒 (hepatitis viruses) 9. 普里昂及其他病毒 (prion and miscellaneous viruses) 10. 病毒在疾病的角色 (role of viruses in diseases)	參考教科書	2. Patrick R. Murray. Medical Microbiology. Elsevier. 2020, 9 edition. 1. Peter Parham. The immune system. Norton. 2021. 5 edition. 2. Richard A. Harvey. Lippincott Illustrated Reviews: Microbiology. Wolters Kluwer. 2019. 4 edition. 3. Richard Goering. Mims' Medical Microbiology. 2018. 6 edition.

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	◆ 真菌學 (mycology) 1. 酵母菌 (yeasts) 2. 黴菌 (molds) 3. 抗黴菌藥物及化學治療 (antifungal agents and chemotherapy) 4. 新興及再現病原體 (emerging and reemerging pathogens) 5. 感染症的新穎處置 (novel approaches in infectious diseases) - 免疫學 (immunology) ◆ 免疫系統的組成部分 (components of the immune system) ◆ 先天性及後天性免疫 (innate and adaptive immunity) ◆ 抗原辨認 (antigen recognition) ◆ B 及 T 淋巴球的發展 (development of B- and T-lymphocytes) ◆ 細胞性免疫反應 (cell mediated immune responses) ◆ 體液性免疫反應 (humoral immune responses) ◆ 免疫調節 (immunoregulation) ◆ 宿主對感染之防衛 (host defense against infection) ◆ 免疫缺乏 (immunodeficiency) ◆ 過敏及過敏反應 (allergy and hypersensitivity) ◆ 自體免疫疾病 (autoimmune diseases)		

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	◆ 癌症免疫學 (cancer immunology) ◆ 移植 (transplantation) ◆ 疫苗及免疫治療 (vaccine and immunotherapy)		
寄生蟲學	寄生蟲學 (parasitology) ◆ 線蟲 (nematodes) ◆ 吸蟲 (trematodes) ◆ 條蟲 (cestodes) ◆ 原蟲 (protozoa) ◆ 病媒節肢動物 (arthropods as vectors)	指定教科書	1. Larry Roberts. Foundations of Parasitology . McGraw Hill. 2012, 9 edition. 2. David T. John. (Markell and Voge's) Medical Parasitology . Saunders. 2006, 9 edition. 3. Burton J. Bogitsh Human Parasitology . Academic Press. 2018, 5 edition.
公共衛生學	公共衛生學 (public health) ◆ 生物統計 (biostatistics) ◆ 流行病學 (epidemiology) ◆ 公共衛生導論、衛生行政、衛生政策、衛生教育 (introduction to public health, health administration, health policy, health education) ◆ 職業醫學 (occupational medicine) ◆ 環境衛生 (environmental health) ◆ 公共衛生實務、醫療法規、醫院管理、醫學倫理、國際衛生等 (practice of public health, medical law and related regulations, hospital management, medical ethics, international health, etc.) ◆ 預防醫學 (preventive medicine)	指定教科書	1. David D. Celentano, and Moyses Szklo. Gordis Epidemiology . Elsevier. 2019, 6th edition. 2. Stanton A. Glantz. Primer of Biostatistics . McGraw-Hill Medical. 2011, 7 edition. 3. 王榮德等人。 公共衛生學, (上中下冊) 。財團法人陳拱北預防醫學基金會。2020, 修訂五版。
		參考教科書	1. Marcello Pagano, Kimberlee Gauvreau, and Heather Mattie. Principles of Biostatistics CRC Press. 2022, 3rd edition. 2. 許怡欣等人。 公共衛生學 。華杏出版機構。2018, 五版。