

Curriculum of Graduate Institute of Dental and Craniofacial Science (Applicable for 2017 Fall New Students)

領域/組別 Divisions	必選修 Required(R) or Elective(E)	科目名稱 Course Title	學分 Credit	開課 年級 Grade	上學 期 Fall	下學 期 Spring	備註 Note
必修課程 Required	必(R)	顏面口腔生物學 Craniofacial & Oral Biology	3	1		3	英文授課 taught in English
	必(R)	顏面影像與生長發育學 Craniofacial Development and Craniofacial Imaging	3	1		3	英文授課 taught in English
	必(R)	研究方法及論文寫作 Research Methodology and Thesis Writing	2	1	2		英文授課 taught in English
	必(R)	研究專題討論 Graduate Research Seminar	2	1	1	1	英文授課，碩一二合班 taught in English
			2	2	1	1	co-taught with grade 1 & grade 2
	必(R)	顏面醫學特論 Craniofacial Medicine	3	2	3		英文授課 taught in English
	必(R)	高等生物統計學 Advanced Biostatistics	2	2	2		英文授課 taught in English
	必(R)	口腔生物力學 Oral Biomechanics	3	2		3	英文授課 taught in English
必(R)	論文撰寫 Thesis	6					
選修課程 Elective	選(E)	臨床齒顎矯正學(1)(2) Clinical Orthodontics (1)(2)	6	1	3	3	碩一二合班，英文授課 taught in English co-taught with grade 1 & grade 2
	選(E)	牙科植體學(1)(2) Advanced Dental Implantology (1)(2)	6	1	3	3	碩一二合班 co-taught with grade 1 & grade 2
	選(E)	臨床義齒補綴學(1)(2) Clinical Prosthodontics (1)(2)	4	1	2	2	碩一二合班 co-taught with grade 1 & grade 2
	選(E)	臨床兒童牙醫學(1)(2) Clinical Pediatric Dentistry (1)(2)	4	1	2	2	碩一二合班 co-taught with grade 1 & grade 2
	選(E)	臨床牙周病學(1)(2) Clinical Periodontics (1)(2)	4	1	2	2	碩一二合班 co-taught with grade 1 & grade 2
	選(E)	臨床齒顎矯正學實習(1)(2) Practicum of Clinical Orthodontics (1)(2)	6	1	3	3	碩一二合班。須職業登記於長庚醫院 co-taught with grade 1 & grade 2
	選(E)	牙科植體學實習(1)(2) Practicum of Advanced Dental Implantology (1)(2)	6	1	3	3	碩一二合班。須職業登記於長庚醫院 co-taught with grade 1 & grade 2
	選(E)	臨床齒顎矯正學(3)(4) Clinical Orthodontics (3)(4)	6	2	3	3	碩一二合班，英文授課 taught in English
	選(E)	牙科植體學(3)(4) Advanced Dental Implantology (3)(4)	6	2	3	3	碩一二合班 co-taught with grade 1 & grade 2
	選(E)	臨床義齒補綴學(3)(4) Clinical Prosthodontics (3)(4)	4	2	2	2	碩一二合班 co-taught with grade 1 & grade 2

	選(E)	臨床兒童牙醫學(3)(4) Clinical Pediatric Dentistry (3)(4)	4	2	2	2	碩一二合班 co-taught with grade 1 & grade 2
	選(E)	臨床牙周病學(3)(4) Clinical Periodontics (3)(4)	4	2	2	2	碩一二合班 co-taught with grade 1 & grade 2
	選(E)	臨床齒顎矯正學實習(3)(4) Practicum of Clinical Orthodontics (3)(4)	6	2	3	3	碩一二合班。須職業登記於長庚醫院 co-taught with grade 1 & grade 2
	選(E)	牙科植體學實習(3)(4) Practicum of Advanced Dental Implantology (3)(4)	6	2	3	3	碩一二合班。須職業登記於長庚醫院 co-taught with grade 1 & grade 2
基礎 相關 選修 科目 Basic Related Elective Courses	選(E)	影像處理 Image Processing	3	1	3		與資訊管理研究所合開 offered jointly with Information Management(Master' s program)
	選(E)	醫學影像處理 Medical Imaging Processing	3			3	醫學影像暨放射科學研究所開設課程 Courses offered by Medical Imaging & Radiological Sciences
	選(E)	生物力學 Biomechanics	3			3	醫療機電研究所開設課程 Courses offered by Medical Mechatronics
	選(E)	輔具開發與植體設計 Assistive Devices Development and Implants Design	3			3	醫療機電研究所開設課程 Courses offered by Medical Mechatronics
	選(E)	分子生物學 Molecular Biology	3	1	3		臨床醫學研究所開設課程 Courses offered by Clinical Medicine
	選(E)	細胞生物學 Cell Biology	3	1		3	臨床醫學研究所開設課程 Courses offered by Clinical Medicine
	選(E)	儀器分析法 Instrumentation Analysis	2			2	臨床醫學研究所開設課程 Courses offered by Clinical Medicine
	選(E)	儀器分析法實驗 Instrumentation Analysis Labortory Exercise	1			1	臨床醫學研究所開設課程 Courses offered by Clinical Medicine
	選(E)	腫瘤生物學 Tumor Biology	3			3	臨床醫學研究所開設課程 Courses offered by Clinical Medicine
	選(E)	基因調控特論 Special Topics in Gene Regulation	3			3	臨床醫學研究所開設課程 Courses offered by Clinical Medicine
選(E)	基礎體學, 資料運算及其應用 Basic "Omics" Technology, Data Processing and Application	2			2	臨床醫學研究所開設課程 Courses offered by Clinical Medicine	
備 註 Note	<p>1、畢業學分：30 學分(含論文 6 學分)。 Graduation Requirement: Students must complete a minimum of 30 credits.(including 6 credits for thesis)</p> <p>2、必修學分：20 學分(不含論文)。 Required credits: 20 credits for required courses.(not including 6 credits for thesis)</p> <p>3、選修 4 學分。 Elective credits: 4 credits for elective courses.</p> <p>其他：除上表所列之基礎相關選修課程外，其餘選修課程，請參考下列各所課程，均可列為選修學分。 (生物醫學研究所、臨床醫學研究所、醫療機電研究所、資訊管理學研究所、醫學影像暨放射科學研究所)</p>						