國　立　東　華　大　學

生化暨分子醫學科學系

114學年度課程規劃表

碩士班(一般組)最低畢業學分數33學分
1.專業必修19學分
2.專業選修14學分

專業必修		科目代碼	學分	先修科目	備註
1.	專題討論(一) Seminar（Ⅰ）	BMM_61000	1.0		含Thesis proposal
2.	專題討論(二) Seminar（Ⅱ）	BMM_61900	1.0	*專題討論(一)/	含Thesis progress report
3.	專題演講(一) Colloquium（Ⅰ）	BMM_55700	1.0		
4.	專題演講(二) Colloquium（Ⅱ）	BMM_57100	1.0		
5.	分子生物科技 Molecular Biotechnology	BMM_58910	3.0		
6.	論文研究 Thesis	BMM_63000	2.0		至少修習4次，共8學分。
7.	書報討論(一) Journal club（Ⅰ）	BMM_52000	2.0		
8.	書報討論(二) Journal club（Ⅱ）	BMM_52100	2.0		
專業選修		**科目代碼**	**學分**	**先修科目**	**備註**
9.	高等生物化學 Advanced Biochemistry	BMM_56500	3.0		
10.	生物反應器原理與實作 Bioreactor principles and implementation	BMM_58500	1.0		
11.	生化工程學特論 Special Topics in Biochemical Engineering	BMM_59050	3.0		
12.	奈米藥物傳遞系統 Nanoparticles as drug delivery system	BMM_58700	3.0		
13.	奈米生物技術特論 Special Topics on Nano Biotechnology	BMM_58930	3.0		
14.	幹細胞核心技術 Core Techniques in Stem Cell Research	BMM_58960	3.0		
15.	文獻導讀 Literature Readings	BMM_59020	3.0		
16.	台灣生技產業現況 Taiwan's Contemporary Biotechnology Industry	BMM_58940	2.0		

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17.	癌症生物學 Cancer Biology	BMM_58920	3.0		
18.	病毒學特論 Special Topics in Virology	BMM_56300	3.0		
19.	核醣核酸科技 RNA Technology	BMM_58800	3.0		
20.	幹細胞與組織工程特論 Special Topics on Stem Cell and Tissue Engineering	BMM_59060	3.0		
21.	脂質化學與代謝 Lipid chemistry and metabolism	BMM_59070	3.0		建議先修課程：生物化學
22.	植物細胞組織培養技術 In Vitro Culture of Higher Plants	BMM_56400	3.0		
23.	轉譯醫學 Translational medicine research		3.0		
24.	細胞訊息傳遞特論 Special topics in cellular signaling	BMM_59080	3.0		

重要相關規定

1.畢業學分可採計本系博士班或本校其他研究所專業選修課程，但以3學分為限。

2.自105學年度(含)起入學之碩士班學生需修習「學術研究倫理教育課程」，以入學第一學年結束前修習並完成為原則，實施方式依本校「學術研究倫理教育課程實施要點」辦理。修習學術研究倫理教育課程之學生，須在通過線上課程測驗成績達及格標準，並出示修課證明始得申請學位考試。未通過者，須於申請學位考試前補修完成，未完成本課程者，不得申請學位考試。

3.為推動全英語授課，理工學院EMI教師所開設之EMI課程，與本系相同課名或相同性質課程可視為等同課程。請參閱相同或等同課程對照表。

1.Master’s students can take courses that are listed in the doctoral curriculum from the Institute or in the master’s curriculum from other Graduate Schools but no more than three credits can be counted for the graduation credits.

2.From academic year 2015, all master’s students must register for the course during their first year of enrollment. According to the regulations governing the implementation of the “Education on Academic and Research Ethics” course at National Dong Hua University, all students taking the course must pass the exams online. Students who fail the exams must re-take the tests and complete all other course requirements before their application of the degree exam. Failing to complete and pass the course, students may not apply for their degree exam.

3.To promote full English-medium instruction (EMI), the EMI courses offered by the EMI teachers of the College of Science and Engineering, with the same course names or similar course content, will be considered equivalent to the courses offered by our department. Please refer to 「NDHU’s Course Equivalency Table」.

國　立　東　華　大　學

生化暨分子醫學科學系

114學年度課程規劃表

碩士班(International program)最低畢業學分數33學分
1.專業必修19學分
2.專業選修14學分

專業必修		科目代碼	學分	先修科目	備註
1.	專題討論(一) Seminar（Ⅰ）	BMM_M0020	1.0		Thesis proposal
2.	專題討論(二) Seminar（Ⅱ）	BMM_M0030	1.0	*專題討論(一)/	Thesis progress report
3.	專題演講(一) Colloquium（Ⅰ）	BMM_M0040	1.0		
4.	專題演講(二) Colloquium（Ⅱ）	BMM_M0110	1.0		
5.	分子生物科技 Molecular Biotechnology	BMM_M0050	3.0		
6.	論文研究 Thesis	BMM_M0160	2.0		Must enroll at least four courses (one per semester), a total of eight credits.
7.	書報討論(一) Journal club（Ⅰ）	BMM_M0150	2.0		
8.	書報討論(二) Journal club（Ⅱ）	BMM_M0190	2.0		
專業選修		科目代碼	學分	先修科目	備註
9.	高等生物化學 Advanced Biochemistry		3.0		
10.	生物反應器原理與實作 Bioreactor principles and implementation		1.0		
11.	生化工程學特論 Special Topics in Biochemical Engineering		3.0		
12.	奈米藥物傳遞系統 Nanoparticles as drug delivery system	BMM_M0120	3.0		
13.	奈米生物技術特論 Special Topics on Nano Biotechnology	BMM_M0170	3.0		
14.	幹細胞核心技術 Core Techniques in Stem Cell Research		3.0		

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15.	文獻導讀 Literature Readings	BMM_M0060	3.0		
16.	台灣生技產業現況 Taiwan's Contemporary Biotechnology Industry		2.0		
17.	癌症生物學 Cancer Biology		3.0		
18.	病毒學特論 Special Topics in Virology	BMM_M0130	3.0		
19.	核醣核酸科技 RNA Technology	BMM_M0070	3.0		
20.	幹細胞與組織工程特論 Special Topics on Stem Cell and Tissue Engineering	BMM_M0180	3.0		
21.	脂質化學與代謝 Lipid chemistry and metabolism	BMM_M0140	3.0		Prerequisite course：Biochemistry
22.	植物細胞組織培養技術 In Vitro Culture of Higher Plants	BMM_M0080	3.0		
23.	轉譯醫學 Translational medicine research		3.0		
24.	細胞訊息傳遞特論 Special topics in cellular signaling	BMM_M0090	3.0		

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