

應用化學系

Department of Applied Chemistry

106 學年度(Academic Year 2017)

| 科目名稱 Course Name | 學分 Credit | 第一學年 Grade 1 | | 第二學年 Grade 2 | | 第三學年 Grade 3 | | 第四學年 Grade 4 | | 備註 Note |
|--|--------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|---|
| | | 1st | 2nd | 1st | 2nd | 1st | 2nd | 1st | 2nd | |
| 導師時間 Mentor Hour | 0 | 0 | 0 | | | | | | | |
| 化學 General Chemistry | 6 | 3 | 3 | | | | | | | |
| 化學實驗 General Chemistry Labs | 2 | 1 | 1 | | | | | | | |
| 物理 General Physics | 8 | 4 | 4 | | | | | | | |
| 物理實驗 General Physics Labs | 2 | 1 | 1 | | | | | | | |
| 微積分 Calculus | 8 | 4 | 4 | | | | | | | |
| 有機化學 Organic Chemistry | 8 | | | 4 | 4 | | | | | |
| 有機化學實驗 Organic Chemistry Labs | 4 | | | 2 | 2 | | | | | |
| 分析化學 Analytical Chemistry | 6 | | | | 3 | 3 | | | | |
| 分析化學實驗 Analytical Chemistry Labs | 2 | | | | 1 | | 1 | | | |
| 應用數學 Applied Mathematics | 3 | | | 3 | | | | | | |
| 物理化學 Physical Chemistry | 8 | | | 4 | 4 | | | | | |
| 物理化學實驗 Physical Chemistry Labs | 2 | | | | 1 | 1 | | | | |
| 無機化學 Inorganic Chemistry | 6 | | | | | 3 | 3 | | | |
| 書報討論 seminar | 2 | | | | | | | 1 | 1 | |
| 有機化學(三) Organic Chemistry (III) | 3 | | | | | 3 | | | | 應選修並通過 左列 10 門核心 課程之任何 4 門 Should take and pass at least four courses from the ten Core courses |
| 有機光譜分析 Spectroscopic Analysis of Organic Compounds | 3 | | | | | | 3 | | | |
| 無機化學特論 Special Topics in Inorganic Chemistry | 3 | | | | | | 3 | | | |
| 分析化學特論 Special Topic in Analytical Chemistry | 3 | | | | | 3 | | | | |
| 分析化學(三) Analytical Chemistry (III) | 3 | | | | | | 3 | | | |
| 高分子化學 | 3 | | | | | 3 | 3 | | | |

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|--|----|----|----|----|----|---|---|--|--|--|
| Polymer Chemistry | | | | | | | | | | |
| 物理化學(三) Physical Chemistry (III) | 3 | | | | | 3 | | | | |
| 化學應用群論 Group Theory for Chemistry | 3 | | | | | | 3 | | | |
| 物理化學特論 Special Topic in Physical Chemistry | 3 | | | | | 3 | 3 | | | |
| 生物化學 Biochemistry | 3 | | | | | 3 | 3 | | | |
| 合計 Total Credits | 79 | 13 | 13 | 13 | 15 | | | | | |

本系最低畢業學分為 128 學分。

Student shall complete at least 128 credit hours of courses to graduate.

畢業前至少應選修並通過核心課程至少 4 門(12 學分)及化學相關課程 3 學分, 共計至少 15 學分(含)。

In addition to the above mandatory courses, student must pass at least 4 core courses (12 credits) and earn a minimum of 3 credits from chemistry-related elective course(s) for a total of at least 15 credits.

應用化學系輔系科目表

Department of Applied Chemistry Minor Program

106 學年度(Academic Year 2017)

| 科目名稱 Course Name | 學分數 Credit | 科目名稱 Course Name | 學分數 Credit |
|--|---------------|---------------------|---------------|
| 選修本系大二以上必修及核心課程 20 學分。 | | | |
| Minor in Applied Chemistry: 20 credits from core and mandatory courses at and above sophomore level. | | | |