



# 課 綱 Course Outline

## 音樂學系學士班

|                                                                                                                   |                                                                                                                                         |                  |                    |                                                                                          |     |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------------------------------------------------------------------|-----|
| 中文課程名稱<br>Course Name in Chinese                                                                                  | 數位音樂編曲                                                                                                                                  |                  |                    |                                                                                          |     |
| 英文課程名稱<br>Course Name in English                                                                                  | Making of Digital Music                                                                                                                 |                  |                    |                                                                                          |     |
| 科目代碼<br>Course Code                                                                                               | MUS_29340                                                                                                                               | 班 別<br>Degree    | 學士班<br>Bachelor' s |                                                                                          |     |
| 修別<br>Type                                                                                                        | 學程<br>Program                                                                                                                           | 學分數<br>Credit(s) | 3.0                | 時 數<br>Hour(s)                                                                           | 3.0 |
| 先修課程<br>Prerequisite                                                                                              |                                                                                                                                         |                  |                    |                                                                                          |     |
| 課程目標<br>Course Objectives                                                                                         |                                                                                                                                         |                  |                    |                                                                                          |     |
| 認識電腦音樂的基礎知識、使用原理、和應用技巧。<br>促使『電腦音樂』的實用技巧和『作曲理論』相結合開啟一個應用音樂創作的新天地。<br>瞭解電腦音樂在音樂中擔任的角色及其重要性。<br>編製數位音樂作品，錄音及合成影音成品。 |                                                                                                                                         |                  |                    |                                                                                          |     |
| 系教育目標<br>Dept.'s Education Objectives                                                                             |                                                                                                                                         |                  |                    |                                                                                          |     |
| 1                                                                                                                 | 培養理論與實務兼備之音樂表演、教育人才<br>To cultivate professionals mastering in both theory and practice in musical performance and education.           |                  |                    |                                                                                          |     |
| 2                                                                                                                 | 培養具人文藝術涵養與跨領域整合能力之音樂人才<br>To cultivate musical professionals possessing cultural/artistic dispositions and interdisciplinary abilities. |                  |                    |                                                                                          |     |
| 3                                                                                                                 | 培養具社會關懷與國際視野之音樂人才<br>To cultivate musical professionals possessing societal concerns and international visions.                         |                  |                    |                                                                                          |     |
| 系專業能力<br>Basic Learning Outcomes                                                                                  |                                                                                                                                         |                  |                    | 課程目標與系專業能力相關性<br>Correlation between Course Objectives and Dept.' s Education Objectives |     |
| A                                                                                                                 | 具備音樂研究之專業能力。<br>To possess professional capabilities in musical research.                                                               |                  |                    | ○                                                                                        |     |
| B                                                                                                                 | 具備音樂演出之專業能力。<br>To possess professional capabilities in musical performance.                                                            |                  |                    | ●                                                                                        |     |
| C                                                                                                                 | 具備音樂理論之專業能力。<br>To possess professional capabilities in music theory.                                                                   |                  |                    | ○                                                                                        |     |

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| D | 具備音樂教學之專業能力。<br>To possess professional capabilities in music education.                                                                                                   | ○ |
| E | 具備音樂專才應有之文化視野以及社會關懷的溝通與實踐能力。<br>To possess cultural visions and capabilities in communication and fulfillment for societal concerns as required for musical professionals. | ● |

圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated

課程大綱  
Course Outline

MIDI的基礎知識  
MIDI的應用技巧  
音源軟體的使用技巧  
MIDI常用的錄入技巧  
MIDI的配器  
MIDI配器的程序和應用  
MIDI常用的技巧與應用

MIDI錄音及MIDI製作  
對音符以外的部分修改  
進一步的修飾  
人聲的錄製  
人聲的錄製  
如何將MIDI轉成聲波檔(Wav)  
Audio Mixdown的轉波運用  
樂器編組

資源需求評估（師資專長之聘任、儀器設備的配合．．．等）  
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

課程要求和教學方式之建議  
Course Requirements and Suggested Teaching Methods

其他  
Miscellaneous