聲音與音樂創意科技碩士學位學程

105學年度(105.12修訂)

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| 最低修業年限 | 二年 | |
| 應修學分 | 24學分：核心課程3門 甲組必選乙組1門課程；乙組必選甲組1門課程 | |
| 應修(應選)課程及符合畢業資格之修課相關規定 | 甲組:音訊工程組課程(合開)  \*字號為核心課程   * \*論文研討(0學分)至少4學期且需及格 * \*訊號與系統(3學分) * \*數位信號處理專題:聽語資訊處理(3學分) * \*數位信號處理(3學分) * \*感測器與量測系統 (3學分) * 嵌入式作業系統(3學分) * 數位控制系統(3學分) * 語音處理(3學分) * 適應性訊號處理(3學分) * 自走式機器人(3學分)   音樂科技組開設課程 (不限定學分) | 乙組:音樂科技組課程(合開)  \*字號為核心課程，論文研討為必修課程   * 論文研討 (0學分) 至少4學期且需及格 * \*電腦音樂媒介: Max自動創作(3學分) * \*電腦音樂技巧:音訊處理與創作(2學分) * \*互動與數位藝術程式(3學分) * \*新音樂劇場互動設計(二)(2學分) * \*電腦音樂技巧:科技與互動(2學分) * 數位管絃樂團演奏實務 (3學分) * 電腦音樂媒介: MSP 聲音合成 (3學分) * 音樂科技導論(3學分) * 數位音樂製作導論(2學分) * 混合實境(3學分) * 錄音工程(3學分)   音訊工程組開設課程 (不限定學分)  音樂所創作組之外開設課程(至多6學分) |

Master Program of Sound and Music Innovative Technologies

Academic Year 2016

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| Mini. year of Study | 2 years | |
| Required Credits | 24 credits: 3 core courses  One Group B course required for Group A students, one Group A course required for Group B students | |
| Regulations for required courses and  courses required for graduation | Group A: Audio Engineering Group courses (combined courses)  \* indicates core courses  \*Seminar (0 credit). At least 4 semesters with passing grades required.  \*Signals and Systems (3 credits)  \*Digital Signal Processing(3 credits)  \* Principles of sensors and measurement systems (3 credits)  \* Embedded Operating Systems  (3 credits)  Digital Control System (3 credits)  Speeching Processing (3 credits)  Adaptive Signal Processing  (3 credits)  Autonomous Mobile Robots  (3 credits)  Music Technology Group courses  (no credit limits) | Group B: Music Technology Group courses (combined courses)  \* indicates core courses ➢ \*Seminar (0 credit). At least 4 semesters with passing grades required.  ➢ \*Computer Music Media: MAX (3 credits)  ➢ \*Computer Music Technique: DSP and Composition (2 credits)  ➢ \*Interactive and Digital Art Programming (3 credits)  ➢ \*[Praxis in Interactive Composition of New Music Theatre II](https://m0.nctu.edu.tw/course/view.php?id=6297) (2 credits)  ➢ \*[Computer Music Techniques:Technology and Interaction](https://m0.nctu.edu.tw/course/view.php?id=6300) (2 credits)  ➢ Introduction to Music Technology (3 credits)  ➢ Performing Practice of Digital Orchestra(3 credit)  ➢ Computer Media:MSP (3 credits)  ➢ Int. to Edition of Digital Music(2 credits)  ➢ Mixed Reality (3 credits)  ➢ Sound Engineering (3 credits) Audio Engineering Group courses (no credit limits)  Except for Music Composition Group courses (maximum 6 credits) |
| Note | The Chinese version of the document shall prevail in case of any discrepancy or inconsistency between Chinese version and its English translation. | |