**元智大學 資訊傳播學系大學部 必修科目表**

**Department of Information Communication at Yuan Ze University**

**List of Required Courses**

**（107學年度入學新生適用Applicable to Students Admitted in Academic Year 2018）**

107.05.02 一○六學年度第五次教務會議通過

Passed by the 3rd Academic Affairs Meeting, Academic Year 2017, on May 2, 2018

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| 學年Academic Year  學期Semester  科目Subject | 第一學年1st Academic Year | | | | | | 第二學年2nd Academic Year | | | | 第三學年3rd Academic Year | | | | 第四學年4th Academic Year | |
| 上Fall | | | 下Spring | | | 上Fall | | 下Spring | | 上Fall | | 下Spring | | 上Fall | 下Spring |
| 共同必修科目University Compulsory  （21） | 國文（一）  Chinese (I)  （2） | | | 國文（二）  Chinese (II)  （2） | | |  | |  | |  | |  | |  |  |
| 英語（一）  English (I)  （2） | | | 英語（二）  English (II)  （2） | | |  | |  | |  | |  | |  |  |
| 程式語言共4學分，依各院修課規則辦理。(開課名稱：基礎程式設計)  Fundamental Computer Programming is a four-credit course. For those who would like to registered “Fundamental computer programming”, he/she has to meet the college requirement. (Course Name: Fundamental Computer Programming) | | | | | | | | | | | | | | | |
| 外語課程應依「通識外語修課規定」修習，共計10學分。   1. 「英語（一）」及「英語（二）」為基礎課程，採能力分級上課，共計二學期四學分。 2. 除了「英語（一）」及「英語（二）」外，應修習主題式英語課程三學期5學分，畢業前需修畢三個不同英語課程，始取得畢業資格。大一英語能力後測TOEIC模擬測驗成績未達350分者，應修習「應試加強班」，修習「應試加強班」期間之期末TOEIC模擬測驗成績未達350分者，則該科成績將「不及格」，並應再次修習「應試加強班」，直到取得TOEIC模擬測驗分數達350分(含)始得修習其他主題式英語課程。 3. 另開設「英語檢定」計一學期1學分，「英語檢定」之修課限制與注意事項，請參照「英語檢定」修課規定，並由通識教學部公佈後施行。   外國學生改修華語須經國際語言文化中心審核通過始可改修華語課程10學分，其華語課程10學分應含「華語檢定」1學分，「華語檢定」修課限制與注事意項，請參照「英語檢定」修課規定。  The undergraduate students must complete 10 required credits of foreign language courses as follows:   * English (I), (II): 4 credits * English thematic course: 5 credits * English Test: 1 credit   English (I) and (II) are 4 credits elementary courses for the freshmen who are grouped on English competence-based to complete within two semesters.  English thematic courses are 5-credit of English courses; students are required to obtain  5 credits through 3 different thematic courses for graduation.  For the requirements of registering “English Testing”, please refer to "the Regulation for Registering English Test" announced and implemented by the College of General Education.  Foreign students need approval by ILCC for taking 10 credits of Mandarin Chinese courses as alternative courses of English.  英語檢定English Testing（1）、經典五十Fifty Canonized Books（2）、服務學習Service Learning（1） | | | | | | | | | | | | | | | |
| 體育Physical Education（0） | | 體育Physical Education（0） | | | 體育Physical Education（0） | | | 體育Physical Education（0） | |  | |  | |  |  |
| 體育除修習大一至大二4個學期外，另需通過「游泳能力檢定」及「心肺適能檢定」等二項檢測，列為畢業門檻。  Beside taking PE courses for 4 semesters (Year 1 to 2), students must pass both swimming and cardiopulmonary function tests. | | | | | | | | | | | | | | | |
| 通識教育科目General Education  （10） | 通識課程分為人文藝術、自然科學、社會科學及生命科學四大類。學生須於四大領域中各選修2學分課程，共計8學分。  General Education program comprises four categories：Humanities, Natural Science, Social Science and Life Science. Students are required to take a 2-credit course from each category to get 8 credits before graduation.  通識跨域課程：此2學分學生可自由於通識講座課程、微課自主學習或在地多元文化課群中選課。惟外籍生與工程學院英語學士學位學程、資訊學院英語學士學位學程、人文社會學院英語學士學位學程、電機通訊學院英語學士學位學程學生仍須於四大領域中選課，依各院修課規定辦理。  General Education Interdisciplinary Course：  Students can select the 2 credits from a General Education Lecture course, Micro Credit courses, Self-Study courses, or Local-Multicultural courses. Only foreign students and undergraduates of International Programs in the Colleges of Engineering, Informatics, Humanities and Social Sciences, as well as Electrical and Communication Engineering are required to take a 2-credit course from the four categories according to each college’s policy before graduation. | | | | | | | | | | | | | | | |
| 學年Academic Year  學期Semester  科目Subject | 第一學年1st Academic Year | | | | 第二學年2nd Academic Year | | | | | 第三學年3rd Academic Year | | | | 第四學年4th Academic Year | | |
| 上Fall | 下Spring | | | 上Fall | | | 下Spring | | 上Fall | | 下Spring | | 上Fall | | 下Spring |
| 系必修科目  Department Required  Courses  (38) | 資訊概論  Introduction to Computer Science  IC181  (3) | 數位  影像處理  Digital Image Processing  IC120  (3) | | | 數位音像設計基礎  Fundamentals of Digital Audiovisual Design  IC341  (3) | | | 網頁程式設計  Web Programming  IC186  (3) | |  | | 跨媒體整合  Cross-Media Integration IC324 （3） | | 專題製作  (一)  Field Study(I)  IC464 (4) | | 專題製作  (二)  Field Study(II) IC465  (4) |
| 設計概論  Introduction to Design Principles  IC151  (3) | 多媒體概論  Introduction to Multimedia  IC340  (3) | | | 互動腳本  製作  Interactive Script Production  IC225  (3) | | | 人機互動  概論  Introduction of Human Computer Interaction  IC291  (3) | |  | |  | | 專業實習  (一)  Internship(I)  IC401  (3) | |  |
| 學期學分小計  Credits Per Semester | 6 | 6 | | | 6 | | | 6 | | 0 | | 3 | | 7 | | 4 |
| 設計組必修  Design Group Required Courses  (24) | | 藝術基礎(一)：素描  Fundamentals of Arts(Ⅰ)：Drawing  IC145  (3) | 藝術基礎(二)：創意素描  Fundamentals of Arts(Ⅱ)：Creative Drawing  IC168  (3) | | | 電腦繪圖  Computer Graphics  IC205  (3) | | | 動畫概論  Principles of Animation  IC194  (3) | |  | |  | |  | |  | |
| 設計史  Design History  IC175  (3) | 色彩學  Color Theory  IC191  (3) | | |  | | | 平面設計  Graphic Design  IC204  (3) | |  | |  | |  | |  | |
| 程式設計  Computer Programming  IC212  (3) |  | | |  | | |  | |  | |  | |  | |  | |
| 程式設計  實習  Computer Programming Lab.IC336  (0) |  | | |  | | |  | |  | |  | |  | |  | |
| 學期學分小計  Credits Per Semester | | 9 | 6 | | | 3 | | | 6 | | 0 | | 0 | | 0 | | 0 | |
| 科技組必修  Technology Group  Required Courses  (21) | | 微積分概論  Introduction to Calculus  IC287  (3) | 線性代數  Linear Algebra  IC248  (3) | | | 視窗應用 程式設計  Windows Programming  IC238  (3) | | | 遊戲程式設計  Game Programming  IC342  (3) | |  | |  | |  | |  | |
| 程式設計(一)  Computer Programming(I)  IC184  (3) | 程式設計(二)  Computer Programming(II)  IC192  (3) | | | 資料結構 Data Structure  IC172  (3) | | |  | |  | |  | |  | |  | |
| 程式設計  實習(一)  Computer Programming Lab.(I)  IC286  (0) | 程式設計  實習(二)  Computer Programming Lab.(II)  IC200  (0) | | |  | | |  | |  | |  | |  | |  | |
| 學期學分小計  Credits Per Semester | | 6 | 6 | | | 6 | | | 3 | | 0 | | 0 | | 0 | | 0 | |

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**元智大學 資訊傳播學系大學部 選修科目表  
（107學年度入學新生適用Applicable to Students Admitted in Academic Year 2018）**

107.05.02 一○六學年度第五次教務會議通過

Passed by the 3rd Academic Affairs Meeting, Academic Year 2017, on May 2, 2018

108.05.01 一○七學年度第六次教務會議修訂通過

Amended by the 6th Academic Affairs Meeting, Academic Year 2018, on May 01, 2019

109.06.17 一○八學年度第七次教務會議修訂通過

Amended by the 7th Academic Affairs Meeting, Academic Year 2019, on June 17, 2020

109.11.11 一○九學年度第二次教務會議修訂通過

Amended by the 2nd Academic Affairs Meeting, Academic Year 2020, on November 11, 2020

110.05.05 一○九學年度第五次教務會議修訂通過

Amended by the 5th Academic Affairs Meeting, Academic Year 2020, on May 05, 2021

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| 學年(Academic Year)  學期(Semester)  科目(Course) | 第一學年 (1st Year) | | 第二學年 (2nd Year) | | 第三學年 (3rd Year) | | 第四學年 (4th Year) | |
| 上  (Fall Semester) | 下  (Spring Semester) | 上  (Fall Semester) | 下  (Spring Semester) | 上  (Fall Semester) | 下  (Spring Semester) | 上  (Fall Semester) | 下  (Spring Semester) |
| 系  共  同  選  修  Department Elective  Courses | 智慧財產權  Intellectual Property  IC362  (3) |  | 敘事與故事 Narrative and storytelling  IC339  (3) |  | 電玩企劃  Game Planning  IC242  (3) | 電玩製作  Game Production  IC250  (3) | 資訊傳播專題(一)  Seminar on Information Communication(I)  IC454(3) | 資訊傳播專題  (二)  Seminar on Information Communication(II)  IC456(3) |
|  |  | 科技英文  English for Science and Technology  IC300  (3) |  | 創新媒體  實務應用  Creative Media Practice  IC296  (2) | 電子商務  法律實務  Legal Practice of e-Commerce  IC293  (3) | 大數據創新應用專題  Innovation Topics on Big Data  IC330  (3) | 專業實習(二)  Internship(II)  IC451  (3) |
|  |  |  |  | 資訊傳播科技創新應用  ICT and Its Innovations  IC348  (3) | 網路社群  媒體分析  Analysis for Social Media Services  IC331  (3) | 社群媒體專題  Special Topics in Social Media Services  IC329  (3) |  |
| 設  計  組  選  修  Design Group Elective  Courses | 攝影學  Applied Photography  IC116  (3) | 創意方法  Creativity  Techniques  IC256  (3) | 電子商務  Electronic Commerce  IC328  (3) | 雲端策展與執行  Cloud Curating  IC289  (3) | 影視製作專題  Advanced Film and Video Production Workshop  IC322  (3) | 複合媒材設計  Mixed Media Design  IC189  (3) | 穿戴式  科技設計(一)  Designing Wearable Technology (I)  IC294  (3) | 穿戴式  科技設計(二)  Designing Wearable Technology (II)  IC295  (3) |
|  | 行銷傳播  Marketing Communications  IC207  (3) | 文創產業個案  Case Study on Cultural Industries  IC249  (3) |  | 作品集設計  與展現  Portfolio Design and Presentation  IC326  (3) | 行動裝置視覺介面設計  User-Interface Design for Mobile Device  IC240  (3) |  |  |
|  |  |  | 3D電腦繪圖  3D Computer Graphics  IC335  (3) | 3D電腦動畫  3D Computer Animation  IC337  (3) | 設計繪畫  Illustration  IC272  (3) |  |  |
|  |  |  |  | 影視視覺特效  Visual Effects for Film and Video  IC347  (3) |  |  |  |
| 科  技  組  選  修  Technology  Group  Elective  Courses | 普通物理學  General Physics  IC224  (3) | 電腦網路概論  Introduction to Computer Networks  IC193  (3) | Java  程式設計  Java Programming  IC275  (3) | 電腦圖學  Interactive Computer Graphics  IC271  (3) | 網際網路  程式設計  Internet Programming  IC257  (3) | 展示科技應用  Application of Display Technology  IC297 (3) | 穿戴式  科技設計(一)  Designing Wearable Technology (I)  IC294  (3) | 穿戴式  科技設計(二)  Designing Wearable Technology (II)  IC295  (3) |
|  |  |  | 網路資料庫系統 Networks Database System  IC261  （3） | 人機互動實務  Human Computer Interaction Application  IC344  (3) | 雲端應用程式  Cloud Applications  IC290  (3) |  |  |
|  |  |  | 資訊隱私  Information Privacy  IC298  (3) | 人工智慧概論  Introduction to Artificial Intelligence  IC387  (3) | 混合實境  Mixed Reality  IC196  (3) |  |  |
|  |  |  | 網頁遊戲  程式設計  Web Game Programming  IC338  (3) | 手機遊戲設計  Mobile Game Design  IC334  (3) | 資訊安全  Information Security  IC292  (3) |  |  |
|  |  |  | 行動裝置  程式設計  Mobile Device Programming  IC190  (3) | 網站設計專題  Special Topics in Website Design  IC343  (3) |  |  |  |
|  |  |  |  | 虛擬實境  Virtual Reality  IC346  (3) |  |  |  |
|  |  |  |  | 演算法  Algorithm  IC239  (3) |  |  |  |
| 備註  remarks | 1. 有關共同必修及通識教育科目之詳細規定，另依據「元智大學共同必修科目表」之規定辦理。 2. 除共同必修科目及通識科目共31學分外，本系必修科目為38學分，設計組必修24學分、科技組必修21學分。所屬組別的選修至少選修12學分(含系共同選修)，他組選修或他組必修至少選修6學分，最低畢業學分為128學分。 3. 【藝術基礎一：素描】（3）與【藝術基礎二：創意素描】（3），上課時數皆為4小時。 4. 【藝術基礎一：素描】為本系設計組申請雙主修和輔系之先修課程，系上將根據該課堂表現審核是否同意該生選修本組為雙主修或輔系。 5. 修習專業實習課程須遵照專業實習辦法之相關規定。 6. 選修本系碩士班課程可列入系選修學分。 7. 終端學習課程：【專題製作二】。 8. 通識教育科目學分只採計至多10學分，超修之學分不列入畢業學分。 9. 【專題製作二】(IC465)為本系必修「議題導向實作專題課程」。 10. 【數位影像處理】(IC120)、【網頁程式設計】(IC186)為本系「數位應用相關課程｣。   1. Please refer to “Yuan Ze University Common Required Course List” for general education course information and regulations.  2. In addition to the university required and general education courses (33 credits), students must complete department required courses (38 credits) and group required courses (24 credits for Design group or 24→21 credits for Technology group). For elective courses, students must complete at least 12 credits based on their respective group (which include the department elective courses) and and at least 6 credits of required or elective courses from the other group. The minimum graduation requirement is 128 credits in total.  3. "Fundamentals of Arts (I)" and "Fundamentals of Arts (II)" courses are 4-hour classes with 3 credits.  4. "Fundamentals of Arts (I)" is the preparatory course for students applying for double majors/minor in the Design group and their performance in this course will determine if their double majors/minor application is approved.  5. Students taking the “Internship” course have to satisfy its regulations.  6. Department master courses can be counted as credits for department elective courses.  7. The experiential learning course: "Field Study (II)".  8. The maximum credits for general education courses is 10, the exceeding credits will not be counted.  9. "Field Study (II)" (Course code IC465) is a compulsory three-credit course of "Topic and Implementation-oriented courses".  10. “Digital Image Processing “(IC120), “Web Programming”(IC186) are courses of 'digital application courses'. | | | | | | | |

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**元智大學資訊傳播學系大學部 擋修科目表**

**Department of Information Communication at Yuan Ze University**

**List of Prerequisite Courses**

**（107學年度入學新生適用Applicable to Students Admitted in Academic Year 2018）**

107.05.02 一○六學年度第五次教務會議通過

Passed by the 3rd Academic Affairs Meeting, Academic Year 2017, on May 2, 2018

109.06.17 一○八學年度第七次教務會議修訂通過

Amended by the 7th Academic Affairs Meeting, Academic Year 2019, on June 17, 2020

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| 先修科目  Prerequisite Course | | 擋修科目  Course | 備註  Remarks |
| 課名  Course Name | 分數  Score | 課名  Course Name |
| 專題製作(一)  Field Study(I) | 60 | 專題製作(二)  Field Study(II) |  |
| 數位音像設計基礎  Fundamentals of Digital Audiovisual Design | 60 | 影視製作專題  Advanced Film and Video Production Workshop |  |
| 數位音像設計基礎  Fundamentals of Digital Audiovisual Design | 60 | 動畫概論  Principles of Animation |  |
| 數位影像處理  Digital Image Processing | 60 | 影視視覺特效  Visual Effects for Film and Video |  |
| 數位音像設計基礎  Fundamentals of Digital Audiovisual Design | 60 |
| 3D電腦繪圖  3D Computer Graphics | 60 |

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