**元智大學工程學院等同課程對照表**

**Yuan Ze University College of Engineering Equivalent Course Comparison Table**

113.05.01 一一二學年度第八次教務會議通過

Passed by the 8th Academic Affairs Meeting, Academic Year 2023, on May 01, 2024

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| **項目Number** | **工院英語學士班International Bachelor Program in Engineering** | **機械系Department of Mechanical Engineering** | **化材系Department of Chemical Engineering and Materials Science** | **工管系Department of Industrial Engineering and Management** | **生技所Graduate School of Biotechnology and Bioengineering** |
| 1 | DE211 工程圖學 (2)  Engineering Drawing | ME119工程圖學 (2)  Engineering Drawing |  |  |  |
| 2 | DE212 工程數學（一）(3)  Engineering Mathematics (I) | ME201 工程數學 (3)  Engineering Mathematics | CH232 工程數學（一） (3)  Engineering Mathematics(I) |  |  |
| 3 | DE213 熱力學（一）(3)  Thermodynamics | ME209 熱力學 (3)  Thermodynamics |  |  |  |
| 4 | DE214 機械畫 (2)  Mechanical Drawing | ME475 機械畫 (2)  Mechanical Drawing |  |  |  |
| 5 | DE215 機械製造 (3)  Introduction to Manufacturing Processes | ME303 機械製造 (3)  Introduction to Manufacturing Processes |  |  |  |
| 6 | DE231 普通物理（一）(3)  General Physics (I) |  | CH128 普通物理（一） (3)  General Physics(I) |  |  |
| 7 | DE232 有機化學（一） (3)  Organic Chemistry (I) |  | CH230 有機化學（一） (3)  Organic Chemistry(I) |  |  |
| 8 | DE233 物理化學（一） (3)  Physical Chemistry (I) |  | CH234 物理化學（一） (3)  Physical Chemistry(I) |  |  |
| 9 | DE234 質能均衡 (3)  Material & Energy Balance |  | CH213 質能均衡 (3)  Material & Energy Balance |  |  |
| 10 | DE251 人因工程（一） (3)  Human Factors (I) |  |  | IE220 人因工程（一） (3)  Human Factors(I) |  |
| 11 | DE216 應用力學-靜力 (3)  Applied Mechanics Statics | ME108 應用力學靜力 (3)  Applied Mechanics Statics |  |  |  |
| 12 | DE217 工程數學（二） (3)  Engineering Mathematics (II) | ME201 工程數學 (3)  Engineering Mathematics | CH233工程數學（二） (3)  Engineering Mathematics(II) |  |  |
| 13 | DE218 材料力學 (3)  Mechanics of Materials | ME309 材料力學 (3)  Mechanics of Materials |  |  |  |
| 14 | DE235 輸送現象與單元操作（一） (3)  Transport Phenomena and Unit Operations (I) |  | CH218 輸送現象與單元操作（一） (3)  Transport Phenomena and Unit Operations(I) |  |  |
| 15 | DE236 物理化學（二） (3)  Physical Chemistry (II) |  | CH235 物理化學（二） (3)  Physical Chemistry(II) |  |  |
| 16 | DE252 線性代數（含演習）(4)  Linear Algebra |  |  | IE217 線性代數（含演習） (4)  Linear Algebra |  |
| 17 | DE353 生產計劃與管制（一） (3)  Production Planning and Control (I) |  |  | IE335 生產計劃與管制（一） (3)  Production Planning and Control(I) |  |
| 18 | DE314 自動控制 (3)  Automatic Control | ME335 自動控制 (3)  Automatic Control |  |  |  |
| 19 | DE332 化學反應工程 (3)  Chemical Reaction Engineering |  | CH403 化學反應工程 (3)  Chemical Reaction Engineering |  |  |
| 20 | DE351 作業研究（一）(3)  Operations Research (I) |  |  | IE303 作業研究 (3)  Operations Research |  |
| 21 | DE352 作業研究（二）(3)  Operations Research (II) |  |  | IE329 作業研究（二） (3)  Operations Research (II) |  |
| 22 | DE354 生產計劃與管制（含實驗）（二）(3) Production Planning and Control (II) |  |  | IE348 生產計畫與管制（含實驗）（二） (3)  Production Planning and Control (II) |  |
| 23 | DE311 機械設計（一） (3)  Mechanical Design (I) | ME301 機械設計 (3)  Mechanical Design |  |  |  |
| 24 | DE312 流體力學 (3)  Fluid Mechanics | ME305 流體力學 (3)  Fluid Mechanics |  |  |  |
| 25 | DE313 機動學 Mechanisms (3) | ME207 機動學 (3)  Mechanisms |  |  |  |
| 26 | DE431 創新工程系統與元件設計 (3)  Innovative Engineering System and Component Design |  | CH404 創新工程系統與元件設計 (3)  Innovative Engineering System and Component Design |  |  |
| 27 | DE331 輸送現象與單元操作（二） (3)  Transport Phenomena and Unit Operations (II) |  | CH301 輸送現象與單元操作（二） (3)  Transport Phenomena and Unit Operations(II) |  |  |
| 28 | DE219 應用力學-靜力 (2)  Applied Mechanics Statics | ME128 應用力學-靜力 (2)  Applied Mechanics Statics |  |  |  |
| 29 | DE253 線性代數 (3) Linear Algebra |  |  | IE124線性代數 (3) Linear Algebra |  |

備註：

1. 本表所列之等同課程，學生不得重複修讀及認列畢業學分數。
2. 同學院各系所之學生，仍應修讀學生所屬系所開設之課程，如果各系所有不同的規定，則以各系所之規定為準。