國立嘉義大學 理工學院 電子物理學系 學士班 修課流程圖（110學年度適用）

109.12.09 110學年度

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| --- | --- | --- | --- | --- |
| semester | Foundation Program of Electrophysics | Core Program of Electrophysics | Program of Optoelectronics Techniques/Practices | Program of Semiconductor and Electronics Techniques/Practices |
|  |  |  |  |  |
| 1st semester | General Physics(Ⅰ) |  | Mathematics for Fundamental Physics | Mathematics for Fundamental Physics |
| General Physics Experiment(I) |  |  |  |
| General Chemistry (Ⅰ) |  |  |  |
| General Chemistry Lab. (Ⅰ) |  |  |  |
|  |  |  |  |  |
| 2nd semester | General Physics(II) |  |  |  |
| General Physics Experiment(II) |  |  | Digital Logic |
| General Chemistry (Ⅱ) |  |  |  |
| General Chemistry Lab. (Ⅱ) |  |  |  |
| Linear Algebra and Vector Analysis | Circuits (I) |  |  |
|  |  |  |  |  |
| 3rd semester | Engineering Mathematics(I) |  | Introduction to Computational  Physics | Introduction to Computational  Physics |
| Mechanics (I) | Experimental Physics (I) | Introduction to Electrophysics | Introduction to Electrophysics |
| Electromagnetism (I) |  | Circuits (ⅠI) | Circuits (ⅠI) |
|  |  |  |  |  |
| 4th semester |  | Engineering Mathematics(II) | Problem-Based Learning Topics（I）-Instrumentation Engineering | Problem-Based Learning Topics（I）-Instrumentation Engineering |
|  | Electronics (Ⅰ) | Mechanics (II) | Mechanics (II) |
|  | Electromagnetism(II) | Magneto-optics |  |
|  | Experimental Physics (II) |  |  |
|  |  |  |  |  |
| 5th semester |  | Optics(I) | Applied Mathematics（IV） | Solid State Electronics |
| Quantum Physics(I) |  | Electronics(ⅠI) |
| Thermal and Statistical Physics(I) |  | Applied Mathematics（IV） |
| Electronics Experiment (Ⅰ) |  |  |
|  | Special Research Topics (I) |  |  |
|  |  |  |  |  |
| 6th semester |  | Quantum Physics(II) | Optics(II) | Physics of Semiconductor Devices |
|  |  | Physics of Semiconductor Devices | Thermal and Statistical Physics(II) |
|  | Thermal and Statistical Physics(II) | Introduction to Computational  Physics |
|  |  | Introduction to Computational  Physics | Experimental Physics (III) |
|  |  |  | Experimental Physics (III) | Electronics Experiment (ⅠI) |
|  |  |  | Special Research Topics (II) | Special Research Topics (II) |
|  |  |  |  |  |
| 7th semester |  |  | Introduction to Optoelectronic Technology | Introduction to Quantum Mechanics |
|  |  | Optical Electronics | Optoelectronic Semiconductor  Device |
|  |  | Optoelectronic Semiconductor  Device | Introduction to Materials Science |
|  |  |  | Laser Optics | Undergraduate Seminar(I) |
|  |  |  | Optoelectronic Experiment | Special Research Topics (III) |
|  |  |  | Undergraduate Seminar(I) |  |
|  |  |  | Special Research Topics (III) |  |
|  |  |  |  |  |
| 8th semester |  |  | Modern Optics | Introduction to Solid State  Physics |
|  |  | Optoelectronic Measurement and Analysis | Introduction to Semiconductor Manufacturing Technology |
|  |  | Solar Cell | Solar Cell |
|  |  |  | Optoelectronic Experiment | Undergraduate Seminar(II) |
|  |  |  | Undergraduate Seminar(II) | Special Research Topics (IV) |
|  |  |  | Special Research Topics (IV) | Professional Off-campus  Practicum |
|  |  |  | Professional Off-campus  Practicum |  |