

114 學年度第 1 學期 醫學工程概論 授課進度表

科目名稱：醫學工程概論 科目代號：132300 授課教師：醫工系老師 學分數：4
 授課系級：碩、博士 時間：星期二/星期四 12 節 地點：知行樓 501 教室
 聯絡電話：(02)2821-8980/(02)2826-7000 #65368 傳真：(02)2821-0847

| 日期 | 講題 | 時數 | 教師姓名 |
|----------|--|----|------|
| 09/02(二) | Introduction of Biomedical Engineering | 6 | 林峻立 |
| 09/04(四) | Introduction of Computer Simulation in Biomechanics (I) | | |
| 09/09(二) | Introduction of Computer Simulation in Biomechanics (II) | | |
| 09/11(四) | Introduction of Biomedical Optics (I) | 4 | 劉承揚 |
| 09/16(二) | Introduction of Biomedical Optics (II) | | |
| 09/18(四) | Introduction of Exoskeleton Machines (I) | 4 | 葛宗融 |
| 09/23(二) | Introduction of Exoskeleton Machines (II) | | |
| 09/25(四) | Introduction to pharmacokinetics and drug delivery (I) | 6 | 駱俊良 |
| 09/30(二) | Introduction to pharmacokinetics and drug delivery (II) | | |
| 10/02(四) | Introduction to pharmacokinetics and drug delivery (III) | | |
| 10/07(二) | Electrochemistry in Biomedical Engineering (I) | 6 | 劉大中 |
| 10/09(四) | Electrochemistry in Biomedical Engineering (II) | | |
| 10/14(二) | Surface characterization and processing of biomaterials | | |
| 10/16(四) | Microfluidics and Organ-on-a-chip in Biomedicine | 4 | 許如秀 |
| 10/21(二) | Midterm exam | | |
| 10/23(四) | Characteristics of Biosensors | 2 | 羅俊民 |

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| 日期 | 講題 | 時數 | 教師姓名 |
|----------|---|----|------|
| 10/28(二) | Biomedical Instruments and Devices (I) | 6 | 江惠華 |
| 10/30(四) | Biomedical Instruments and Devices (II) | | |
| 11/04(二) | Biomedical Instruments and Devices (III) | | |
| 11/06(四) | Medical Device Management Regulations | 4 | 陳維聆 |
| 11/11(二) | Regulation of Artificial Intelligence Applications | | |
| 11/13(四) | Pervasive Healthcare-Wireless Sensor Networks for Healthcare Applications (I) | 6 | 詹家泰 |
| 11/18(二) | Pervasive Healthcare-Wireless Sensor Networks for Healthcare Applications (I) | | |
| 11/20(四) | Pervasive Healthcare-Wireless Sensor Networks for Healthcare Applications (III) | | |
| 11/25(二) | Bioelectronics and Neuroengineering (I) | 6 | 陳右穎 |
| 11/27(四) | Bioelectronics and Neuroengineering (II) | | |
| 12/02(二) | Bioelectronics and Neuroengineering (III) | | |
| 12/04(四) | Medical Imaging Modalities and Applications - Computer Tomography and Magnetic resonance imaging (I) | 4 | 江明彰 |
| 12/09(二) | Medical Imaging Modalities and Applications - Computer Tomography and Magnetic resonance imaging (II) | | |
| 12/11(四) | The physics and mathematics in hearing sciences | 6 | 賴穎暉 |
| 12/16(二) | Final Exam | | |
| 12/18(四) | discuss | | |