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| **جامعة فلسطين التقنية – خضوري**  **دائرة الجودة والنوعية**  **طولكرم- ص.ب 7**  **هاتف: 2677923/09- 2671026/09 فاكس: 2677922/09**  **بريد إلكتروني:** [**quality@ptuk.edu.ps**](mailto:quality@ptuk.edu.ps) | **بسم الله الرحمن الرحيم** | **Palestine Technical University -Kadoorie**  **Quality Department**  **Tulkarm-P.O. Box: 7**  **Tel: 09/2761026 – 09/l2677923**  **Fax: 09/2677922**  **Email: quality@ptuk.edu.ps** |

**Summer Sem 2024**

**A course Syllabus of Physics II**

**Faculty of Science and Arts – Department of Physics and General Courses**

**Textbook : R**. A. Serway and J. W. Jewett , Physics for Scientists and Engineers , **9th** edition , Thomson Brooks/Cole.

**Other References :** D. Halliday , R. Resnick , fundamentals of Physics , 6th edition , John Willey and Sons Inc.

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| **Assessment Criteria** | **Assignment** | **15 %** |
| *Midterm Exam* | 40 % |
| Final Exam | 45% |

**Lecture’s Schedule**

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|  | **Chapter** | | **sections** | | **Hr.** | **Discussion** | **Homework** | |
| **1** | **Ch. 23: Electric Fields** | | **ALL** | | **7** | **2 , 12, 16, 37** | **5,9, 30, 48** | |
| **2** | **Ch. 24: Gauss’s Law** | | **ALL** | | **4** | **1,5,11,30,37** | **3, 27, 35, 51** | |
| **3** | **Ch. 25: Electric Potential** | | **(25.7, and 25.8**  **are not included)** | | **5** | **3,8, 13,27,44** | **20, 35, 40, 48** | |
| **4** | **Ch. 26: Capacitance and Dielectrics** | | **(26.6, and 26.7 are not included)** | **4** | | **5, 13, 19, 24, 34** | | **9, 28,65** |
|  | **Midtearm Exam** |
| **5** | **Ch. 27: Current and Resistance** | | **ALL** | **4** | | **3, 14, 17, 19** | | **5, 11, 40, 43** |
| **6** | **Ch. 28: Direct Current Circuits** | | **ALL** | **5** | | **1,7, 19,22** | | **3, 9, 17, 34** |
| **7** | **Ch. 29: Magnetic Fields** | | **ALL** | **5** | | **1, 8, 32, 42** | | **2, 9, 34, 41** |
| **8** | **Ch. 30:**  **Sources of**  **Magnetic Field** | | **Section 30.6 Not included** | **5** | | **2, 9, 13, 25** | | **5, 6, 21, 29** |

***Instructor:*** ***SalemTanjeer***