**Subject: Mobile Wireless Communication**

**Stage: 4th class**

**Semester: 1st**

**University of Baghdad**

**Al-KhawarizmiEng.College**

**Dept. of Info. & Comm.**

**Academic year: 2022/2023**

**Syllabus Table for 1st-semester academic year**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Syllabus | | No. of  weeks | Remarks | |
| 1 | Ch.1 Introduction to wireless communication standards | | 1 |  | |
| 2 | Ch.2 wireless communications: an Introduction | | 1 |  | |
| 3 | Ch.3 wireless channel and fading | | 2 |  | |
| 4 | Ch .4 BER performance of wireless communication systems | | 2 |  | |
| 5 | Ch .5 Introduction to Diversity | | 2 |  | |
| 6 | Ch 6 Wireless channel and delay spread | | 2 |  | |
| 7 | Ch.7 Introduction to CDMA | | 2 |  | |
| 8 | Ch. 8 MIMO Communication Systems | | 3 |  | |
| **Text book 1: Theodores Rappaport, wireless communications: principles and practice.** | | | | | |
| **Lecturer Name:**  **Dr Lwaa Faisal** | | **Scientific Degree:**  **Assistant Professor** | | | Signature: |