### Course Aim
To provide students with an advanced understanding of mobile and wireless communication concepts. To allow students to design and implement a modern mobile/wireless infrastructure in a specialist level, similar to the ones implemented by the mobile carriers in Bahrain.

### Short Title
IT8313

### Faculty
EDICT

### Credits
15

### Pre-requisites
IT7003 (ITB6003)

### Co-requisites

### Anti-requisites

### Learning Outcomes
On successful completion of this course, students will be able to:

1. Demonstrate critical knowledge and understanding of the communications theory fundamentals that allow mobile/wireless networks to function.
2. Plan, design and implement wireless communication technologies for given scenarios.
3. Critically analyze the performance of various wireless communication technologies to determine appropriate solutions

### NQF Sub-strand
- Theoretical Understanding
- Practical Application of knowledge
- Generic, Problem Solving and Analytical Skills

### Version 4
Effective From September 1, 2018
NQF Level 8
Student Contact hrs 60
Self-directed hrs 90
Other directed hrs 0
Total learning hrs 150