

University : Menoufiya University

College : Faculty of Electronic Engineering

Department : Electronics and electrical communication engineering

Course Specification

| 1- Course basic information : | | |
|-------------------------------|--|--|
| Course Code: EC 327 | Course Title: Optical Communications | Academic year: 2012/2013 Level (٣) – Semester : ٢ |
| Department requirement | Teaching hours: Lecture <input type="text" value="٣"/> Tutorial <input type="text" value="٢"/> Lab <input type="text" value="٠"/> | |

| 2- Aim of the course | <ul style="list-style-type: none">- Understand the structure of optical fiber waveguides- know the transmission characteristic of optical fiber waveguide.- Understand the structure of optical sources- know the fabrication steps of optical fibers- Understand the structure of connectors, splices and coupler |
|--|--|
| 3- Intended Learning Outcomes: | |
| A- Knowledge and Understanding: | a1) Concepts and theories of mathematics and sciences, appropriate to the Optical Communications a3) Characteristics of engineering materials related to the Optical Communications a4) Principles of design including elements design, process and/or a system related to Optical Communications a8) Current engineering technologies as related to Optical Communications a25) Optical communication systems |
| B- Intellectual Skills | b2) Select appropriate solutions for engineering problems based on analytical thinking. b7) Solve engineering problems, often on the basis of limited and possibly contradicting information. |

| | | | | | |
|-----------|--|--|--|--|--|
| coupler . | | | | | |
|-----------|--|--|--|--|--|

Course coordinator:

Head of Department:

Date: / /