**Faculty of Engineering Shobra**

**Electrical Engineering Department : Computer Engineering division**

**Course Information**

**Course**: Software Engineering

**Schedule**: Sunday ( 12 PM)

**Instructor** : Associate Prof. Abdulwahab Al-Sammak

**Email**: Sammaka@Gmail.com

**Grading Policy :**

|  |  |
| --- | --- |
| Midterm Exam | **30** |
| Project | **30** |
| Final Test | **140** |

**References**:

1. Summervile, "Software Engineering", 7 th edition, 2004.
2. Pressman, "Software Engineering: A Practitioner's Approach, 6/e", 2005.
3. Systems Analysis and Design in a Changing World,( 3rd Edition) , Jeff Hedrington.
4. , عبدالوهاب السماك, 2008."إدارة وتطوير مشاريع البرمجيات"

**Online Materials:**

**My Website on Benha University**

[**http://www.bu.edu.eg/staff/abdelwahabalsammak3-courses/12186/files**](http://www.bu.edu.eg/staff/abdelwahabalsammak3-courses/12186/files)

**Content**:

1. Introduction to Software Engineering
2. Software Processes
3. Project Management
4. Software Requirements
5. System Models
6. Object-oriented Design
7. User Interface Design
8. Rapid Software Development
9. Component-based Software Engineering
10. Software Evolution
11. Verification & Validation
12. Software Testing
13. Managing People
14. Software Cost Estimation
15. Quality Management