**Faculty of Engineering Shobra**

**Electrical Engineering Department : Computer Engineering division**

**Course Information**

**Course**: Software Engineering

**Schedule**: Sunday ( 9 PM)

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

**Email**: [Sammaka@Gmail.com](mailto:Sammaka@Gmail.com)

**Grading Policy :**

|  |  |
| --- | --- |
| Midterm Exam | **20** |
| Tutorial | **10** |
| Project | **10** |
| Final Test | **75** |

**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: MediaFire**

[**http://www.mediafire.com/?i0h51phs7h1i6**](http://www.mediafire.com/?i0h51phs7h1i6)

**Content**:

1. Introduction to Software Engineering
2. Critical Systems
3. Software Processes
4. Project Management
5. Software Requirements
6. Requirements Engineering Processes
7. System Models
8. Architectural Design
9. Distributed System Architectures
10. Object-oriented Design
11. User Interface Design
12. Rapid Software Development
13. Software Reuse
14. Verification & Validation
15. Software Testing
16. Software Cost Estimation