

**J**ordan **U**niversity of **S**cience and **T**echnology Faculty of Computer & Information Technology Software Engineering Department

**SE323: Software Documentation Fall 2020/ 2021**

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| **Course Catalog** |
| An overview of writing methods and practices that software engineers use to create software documentation. The software documentation process: User analysis, Planning, Designing, Testing and reviewing. Software documentation types: Tutorial, Procedures, References. Using tools for  producing a complete documentation for any software. How to write task-oriented documentation using standard guidelines and English structures. |

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| **Course Information** | |
| **Course Title** | Software Documentation |
| **Course Number** | **SE323** |
| **Prerequisites** | SE230 (Fundamental of Software Engineering) |
| **Course Website** |  |

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| **Text Book(s)** | |
| **Title** | Writing a Software Documentation: a Task-oriented approach |
| **Author(s)** | **Thomas T. Barker** |
| **Publisher** | Longman Publisher |
| **Year** | 2003 |
| **Book Website** | No website available |
| **Edition** | 2nd Edition |

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| **References** | |
| **Books** | Technical Communication, , Mike Markel,11th edition |
| **Internet links** | No available website |

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| **Instructors** | |
| **Instructors** | Asmahan abu Al-hassan |
| **Office Location** | N2- Level o (Under CIT Faculty) |
| **Office Phone** | 02-7201000 Ext: 22480 |
| **E-mail** | [amabuhassan@just.edu.jo](mailto:amabuhassan@just.edu.jo) |

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| **Class Schedule & Room** | | | |
| **Section** | **Time** | **Room** | **Instructor** |
| 1 | 11:30\*\*12:30  Sun Tue | online | Asmahan abu Al-hassan |
| 2 | 8:30\*\* 9:30 |  |
| Mon Wed |  |

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| **Topics Covered**  The schedule is subject to change depending upon the actual class dynamics and workflow during the semester | | | |
| **Topic** | **Chapters in Text** | **Related CLOs** | **Week No.** |
| Course Introduction Understanding task orientation Constructing a Task List.  Understanding the characteristics of tasks | 1 | 1 | 1 |
| Writing to teach- Tutorials Writing to Guide - Procedures  Writing to Support - References | 2,3,4 | 2 | 2,3,4,5 |
| Analyzing Your user  Planning and Writing your documentation Getting Useful reviews | 5,6,7 | 3 | 6,7,8,9 |
| Conducting usability tests | 8 | 3 | 10,11 |
| Laying out pages and screens | 9,11 | 4 | 12,13 |
| Using graphic effectively | 13 | 4 | 14 |

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| **Course Objectives** | | | |
| **No.** | **Course Learning Outcomes (CLOs)** | **Mapping CLOs to ABET POs** | **Assessment Methods** |
| 1 | Explain the task orientation process and how you  break the project to small tasks, and how to Construct a task list from a project. | B,G,D | Exams ,Assignments, Quizzes |
| 2 | Explain the forms of software documentation such Tutorials, procedures and references | B,K | Exams ,Assignments, Quizzes |
| 3 | Explain the process of software documentation, from user analysis thru editing and fine tuning. | B,G,C | Exams ,Assignments, Quizzes |
| 4 | Explain the tools of software documentation, by the tools here we mean that the elements we used in creating the documentation such as screen ,  page design and using a standard language and | B,G,K | Exams ,Assignments, Quizzes |

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|  | the elements of each , the Psychology of these  elements, and how to build the best document to fit all type of users. |  |  |

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| **Relationship to Program Outcomes (score out of 5)** | | | | | | | | | | | | | | |
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| **Program Outcome** | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
| **Mapping Score** |  | 4 | 1 | 5 |  |  | 5 |  | 3 |  | 4 |  |  |  |

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| **Evaluation** | | |
| **Assessment Tool** | **Expected Due Date** | **Weight** |
| Assignments | TBD | 10% |
| Quizzes | TBD | 10% |
| Mid Exam |  | 30% |
| Final Exam | TBD | 50% |

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| **Teaching & Learning Methods** |
| * **Class lectures:** Class lectures will expose students to the knowledge required by this course * **Class Discussions:** Relevant issues will be discussed in class. These discussions are supposed to improve the students’ communication and problem solving skills by motivating them to express their opinions. * **Activity:** Students will be expected to work on a group activity. The activity could be a complete software project user manual and at the end of the course make a presentation for it. In addition to improving the students’ designing and writing skills, this project aims at improving the students’ team work, self-management, and planning and organizing skills. * **Self-study:** Students will be required to study one of the assigned chapters as self-study. A number of questions from the self-study chapter will be included in the exam. This learning   method aims at improving the students' learning skills. |

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| **Other Policies and Notes** | |
| **Attendance** | Excellent attendance is expected. In accordance with university regulations, students missing more than 20% of total classes are subject to failure. No excuses will be accepted. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed. Attendance will  be recorded at the beginning or end of each class. |
| **Participation** | You are expected to participate in class. Participation includes asking and  answering questions, raising issues, and suggesting solutions to the discussed problems. |
| **Activity** | Students are expected to work on an activity within a group of 3-4 students. The activity could be a Project that the main objectives is writing a complete user manual of specific software: Tutorial, procedure and references based on the process of software documentation that will be covered in the course during the  semester. |
| **Exams** | All exams will be CLOSE-BOOK. The format for the exams is generally as  follows: multiple-choice, and short essay questions. |

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| **Makeup Exams** | Makeup exam should not be given unless there is a valid excuse. Arrangements to take an exam at a time different than the one scheduled MUST be made prior to the scheduled exam time. In accordance with university regulations, students  should bring a valid excuse authenticated through valid channels in JUST. |
| **Workload** | Average work-load student should expect to spend is 4 hours/week. |
| **Code of Conduct** | Quizzes and exams need to be done individually. Copying of another student's work, even if changes are subsequently made, is inappropriate, and such work will not be accepted. Cheating or copying from neighbor on exam is an illegal and unethical activity and standard JUST policy will be applied. All graded  assignments must be your own work. |

**Prepared by: Lect. Asmahan abu Alhassan**