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| **ISHIK UNIVERSITY FACULTY OF SCIENCE Department of INFORMATION TECHNOLOGY,2017-2018 Spring Course Information for IT 234 MULTIMEDIA TECHNOLOGIES** |

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| --- | --- |
| **Course Name:** | MULTIMEDIA TECHNOLOGIES |
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| --- | --- | --- | --- | --- | --- | --- |
| **Code** | **Course type** | **Regular Semester** | **Theoretical** | **Practical** | **Credits** | **ECTS** |
| IT 234 | 2 | 4 | 2 | 2 | 3 |  |

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| **Name of Lecturer(s)-Academic Title:** | Payam Wali M. Hussein - MSc |
| **Teaching Assistant:** | - |
| **Course Language:** | English |
| **Course Type:** | Non-area Elective |
| **Office Hours** | Thursday- Wednesday14:00 - 16:00  |
| **Contact:** | Email:payam.wali@ishik.edu.iq Tel:-  |
| **Teacher's academic profile:** | BSc in Information Technology/University of Kurdistan-Hawler Msc in Computer Engineering/ Fatih Yniversity  |
| **Course Objectives:** | This course focuses mainly on how multimedia files ( text, image, audio, video ) are created, and how to deal with them and combine them to produce better results. Student finishes this semester successfully should be able to put media files and applications under practice. |
| **Course Description (Course overview):** | The course also addresses recent advances in computer architectures and computer hardware and how they affect computer performance. Presentations of actual hardware are included so that students can gain experience in identifying the various internal and external components of a PC. |
| **COURSE CONTENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topic** |
| **1** | 2 | 8-12/10/2017 | What is multimedia and its components (Introduction |
| **2** | 2 | 15-19/10/2017 | Photohop CS6 (menus, working environment, buttons and layers |
|  |  |  |  |
| **3** | 2 | 22-26/10/2017 | Tools and working environment/Quiz 1 |
| **4** | 2 | 29/10-2/11/2017 | Photoshop CS6. Taming pictures, layer blending options |
|  |  |  |  |
| **5** | 2 | 5-9/11/2017 | Publishing the product for different environments |
| **6** | 2 | 12-16/11/2017 | PS project practice/ Quiz 2 |
|  |  |  |  |
| **7** | 2 | 19-23/11/2017 | Midterm Exam |
| **8** | 2 | 26-30/11/2017 | Compression. |
|  |  |  |  |
| **9** | 2 | 3-7/12/2017 | Adobe premiere working environment buttons and layers |
| **10** | 2 | 10-14/12/2017 | Simple video editing by multi layers,publishing video for different environments |
|  |  |  |  |
| **11** | 2 | 17-21/12/2017 | Audacity working environment buttons and layers and simple effects |
| **12** | 2 | 24-28/12/2017 | ? |
|  |  |  |  |
| **13** | 2 | 31/12/2017-4/1/2018 | Overall Adobe Premeir |
| **14** | 2 | 7-11/1/2018 | Overall Adobe Premeire |
|  |  |  |  |
| **15** | 2 | 14-18/1/2018 | Final Exam |
| **16** | 2 | 21-25/1/2018 | Final Exam |
|  |  |  |  |

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| **COURSE/STUDENT LEARNING OUTCOMES**

|  |  |
| --- | --- |
|  |  |
| **1** | Documentation and file types |
| **2** | Adobe Photoshop CS6 |
| **3** | Adobe Premiere CS6 |
| **4** | Search and Design Media |
| **5** | Working in Group |

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| **COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES**(Blank : no contribution, I: Introduction, P: Profecient, A: Advanced )

|  |  |  |
| --- | --- | --- |
|  | **Program Learning Outcomes** | **Cont.** |
| **1** | An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution | A |
| **2** | An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs | I |
| **3** | An ability to function effectively on teams to accomplish a common goal | P |
| **4** | An understanding of professional, ethical, legal, security, social, and economic issues and responsibilities | P |
| **5** | An ability to analyze the local and global impact of computing on individuals, organizations, and society | P |
| **6** | An ability to use current techniques, skills, and tools necessary for computing practice | I |
| **7** | An ability to use and apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies | P |
| **8** | An ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems | I |
| **9** | An ability to effectively integrate IT-based solutions into the user environment | A |
| **10** | An ability apply problem solving skills, core IT concepts, best practices and standards to information technologies | I |
| **11** | An ability to identify and evaluate organizational requirements and current and emerging technologies | I |
| **12** | An ability to select, design, integrate and administer IT-based solutions into the organizational environment | P |

 |
| **Prerequisites (Course Reading List and References):** | Computer Skills course |
| **Student's obligation (Special Requirements):** | attend the class |
| **Weekly Laboratory/Practice Plan:** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topics** |
| 1 | 2 | 8-12/10/2017 | What is multimedia and its components (Introduction |
| 2 | 2 | 15-19/10/2017 | Photohop CS6 (menus, working environment, buttons and layers |
|  |  |  |  |
| 3 | 2 | 22-26/10/2017 | Tools and working environment |
| 4 | 2 | 29/10-2/11/2017 | Photoshop CS6. Taming pictures, layer blending options |
|  |  |  |  |
| 5 | 2 | 5-9/11/2017 | Publishing the product for different environments |
| 6 | 2 | 12-16/11/2017 | PS project practice / 1. Assignment Deadline |
|  |  |  |  |
| 7 | 2 | 19-23/11/2017 | Midterm Exam |
| 8 | 2 | 26-30/11/2017 | Compression/ 3. Quiz |
|  |  |  |  |
| 9 | 2 | 3-7/12/2017 | Adobe premiere working environment buttons and layers |
| 10 | 2 | 10-14/12/2017 | Simple video editing by multi layers,publishing video for different environments |
|  |  |  |  |
| 11 | 2 | 17-21/12/2017 | Audacity working environment buttons and layers and simple effects |
| 12 | 2 | 24-28/12/2017 | Merging video with sound tech. and publish a short video |
|  |  |  |  |
| 13 | 2 | 31/12/2017-4/1/2018 | Merging video with sound tech. and publish a short video /2. Assignment Deadline |
| 14 | 2 | 7-11/1/2018 | Working with team |
|  |  |  |  |
| 15 | 2 | 14-18/1/2018 | Final Exam |
| 16 | 2 | 21-25/1/2018 | Final Exam |
|  |  |  |  |

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| **Course Book/Textbook:** | - Vaughan, Tay, 1993, Multimedia: Making It Work (first edition, ISBN 0-07-881869-9), Osborne/McGraw-Hill. - Stewart, C and Kowaltzke, A. 1997, Media: New Ways and Meanings (second edition), JACARANDA, Milton, Queensland, Australia |
| **Other Course Materials/References:** | Presentations and lecture notes |
| **Teaching Methods (Forms of Teaching):** | Lectures, Practical Sessions, Presentation, Assignments |
| **COURSE EVALUATION CRITERIA**

|  |  |  |
| --- | --- | --- |
| **Method** | **Quantity** | **Percentage (%)** |
| Quiz | 2 | 5 |
| Project | 1 | 20 |
| Midterm Exam(s) | 1 | 20 |
| Presentation | 1 | 10 |
| Final Exam | 1 | 40 |
| **Total** | **100** |
| **Examinations:**Essay Questions, Fill in the Blanks, Short Answers |  |  |

 |
| **Extra Notes:** |
| **ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activities** | **Quantity** | **Duration (Hour)** | **Total Work Load** |
| Course Duration (Including the exam week: 16x Total course hours) |  |  | 0 |
| Hours for off-the-classroom study (Pre-study, practice) |  |  | 0 |
| Assignments Mid-terms |  |  | 0 |
| Final examination |  |  | 0 |
| Other |  |  | 0 |
| **Total Workload** | **0** |
| **ECTS Credit (Total workload/25)** | **0** |

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**Peer review**

|  |  |  |
| --- | --- | --- |
| Signature: | Signature: | Signature: |
| Name: | Name: | Name: |
| Lecturer                                                                       | Head of Department                                                         | Dean |

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