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| **King Saud University**  KSU_LOGO**College of Computer and Information Sciences**  **Department of Computer Science**  **CSC 304 – Ethical Issues in Computing & Research Methods 3 (3-0-1) - Required Course**  **Instructor: Dr. Hassan I. Abdalla** | | |
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| **Catalog description:** | | |
| This course seeks to equip students with sufficient knowledge of Computer Ethics to enable them recognize the ethical nature of certain issues that arise in the Information and Communications Technology (ICT) workplace.  The course studies the effect of the proliferation of computers in our world, the impact of computers in the social, economic, political, and other aspects of our life. It covers the moral and legal obligations of computer professionals and issues concerning security, privacy versus freedom of information, ethics and professionalism, intellectual property rights, research methods: collecting and analyzing data, critical evaluation of research, report writing, choosing and evaluating references, and presentation skills. | |
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| **Prerequisite**: | | |
| *CSC 111- Programming I* | |
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| **Prerequisite** **to**: | | |
| None | |
| **Co-requisite** **to**: | | |
| None | |
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| * Joseph M. Kizza: "Ethical and social issues in Information Age" 2nd Edition Springer 2010. * Giannis Stamatellos: “Computer Ethics a global perspective” 2nd Edition, Jones and Bartlett, 2007. | |
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| **Course Objectives:**  **The course aims to enable students to:** | | |
| * Recognize the impact of computers in the social, economic, political, and other aspects of our life. * Understand the moral and legal obligations of computer professionals. * Possess the ability to search for ideas and read many articles and analyze sources of information. * Write a report after conducting literature review and analyzing the results of the information searched. * Reflect understanding of the subject chosen and the results of surveys through presentations and discussions. | |

**Topics:**

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| 1. Software Engineering Code of ethics |
| 1. Computer Crime 2. Intellectual Property |
| 1. Computer Privacy |
| 1. Medical, Law, and Educational applications |
| 1. Research Methods |

**Course Schedule and Grade Distribution:**

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| Quiz-I | 5 % | Week 3 | Material of weeks 1 and & 2 |
| Mid-Term | 20 % | Week 7 | Material in weeks 1 through 6 (inclusive) |
| Class Presentation | 10 % | Week 10 through 15 |  |
| Project | 15 % | Wk 11, due Wk 14 | [Project statement](http://info.psu.edu.sa/psu/cis/biq/e303/projects.htm) is given |
| Attendance & Participation | 10 % | Every Week |  |
| Final Exam | 40% | Week 16 | Comprehensive |