

| <p style="text-align: center;">Department of Computer Science University of Central Oklahoma COURSE DESCRIPTION</p> | | | | | |
|--|----------------------|---------------------|---|---------------------------|----------------------|
| Course Prefix | Course Number | Credit Hours | Course Title (maximum 30 characters) | Course Coordinator | Revision Date |
| CMSC | 1053 | 3 | Com Tech Communictn Global | Curriculum Committee | 03-29-06 |

| | | |
|------------------------------|--|---------------------------|
| Catalog description: | A study of the fundamental concepts of conventional computer hardware and software systems for gathering and conveying information effectively. Course will include a hands-on introduction to computer hardware and its operation, current microcomputer operating systems, information acquisition and distribution using the Internet and the World Wide Web, and application software for communicating with others. Legal and ethical issues related to the use of computers in a global society will be addressed. | |
| Course prerequisites: | None. | |
| Text: | TBD | |
| References: | | |
| Course goals: | <p>Student completing this course are expected to be able to:</p> <ol style="list-style-type: none"> 1) Acquire basic knowledge about computer hardware, software and their relationship; 2) Acquire basic knowledge about computer network and the Internet; 3) Acquire basic knowledge about computer security; 4) Be familiar with computer ethics and national/international licensing regulations; 5) Use current operating systems ; 6) Use current web browser for searching and information acquisition; 7) Use software packages for word processing, spreadsheet and presentation; 8) Create web pages using HTML. | |
| Course outline | Topic | Lecture Hours |
| | Basics (Windows, hardware, software, network, Internet/Web, security and ethics) | 5 |
| | Word Processing Software. | 9 |
| | Spreadsheet Software and What-if Analysis . | 7 |
| | Presentation Software. | 6 |
| | Basic HTML and Web Site Construction. | 5 |
| | Total | 32 |
| Course requirements | Activity | Minimum Percentage |
| | Lab Practical Assignments | 10 |
| | Homework | 20 |
| | Library Assignments | 5 |
| | Tests | 40 |

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| Estimate of CSAB category content | | |
|---|---|------------------------------------|
| | Core (credit hours) | Advanced (credit hours) |
| Algorithms | | |
| Data Structures | | |
| Software Design | | |
| Concepts of Programming Languages | | |
| Computer Organization and Architecture | | |
| Total | | |
| Qualitative discussions | | |
| Oral and Written Communications | Every student is required to submit at least 1 written report (not including exams, tests, quizzes, or commented programs) of 1 page. | |
| Social and Ethical Issues | Computer Ethics and Intellectual Property. | |
| Theoretical Content | None. | |
| Problem Analysis | What-if Analysis using Spreadsheet. | |
| Solution Design | Spreadsheet Design. Webpage design. | |

