

VI. Course Content or Outline: (4 contact hours per week)

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| A. | 1. Security in Web 1.0/ Web 2.0 | 2 Weeks |
| | 2. Security in HTML and HTML5 | 2 Weeks |
| | 3. Single Sign On in Web/Cloud based systems | 2 Weeks |
| | 4. Certificate Authority | 2 Weeks |
| | 5. X509 certificates creation and revocation | 2 Weeks |
| | 6. PKCS and web services | 2 Weeks |
| | 7. Security of Distributed Systems | 2 Weeks |
| | 8. Secure coding standards of web based systems | 1 Week |
| | 9. Penetration Testing of Web Based Systems | 1 Week |

VII. Textbook(s) and/or Other Required Materials or Equipment:

- A. Textbook to be announced.
- B. Supplemental materials will be provided by instructor.

VIII. Basis for Student Evaluations

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| A. | Homework | 15% |
| | Labs | 10% |
| | Class Participation* | 5% |
| | Mid-term Exam | 25% |
| | Final Exam | 30% |
| | Project | 15% |

B. Grading Policy:

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|------------|---|
| 90-100 | A |
| 80-89.9999 | B |
| 70-79.9999 | C |
| <70 | F |

- C. The weight of evaluation criteria may vary at the discretion of the instructor and will be indicated at the beginning of each course.
- D. * Participation to class discussions, taking labs, homework, and exams on the assigned time slots. The instructor reserves the right, acting within the policies and procedures of the university, to make changes in course content or instructional techniques without notice or obligation. No late assignments will be accepted. "Emergencies" require that YOU contact the instructor ASAP. Request for a late submission after the due time will not be granted.