

**NO AUDIO OR VIDEO RECORDING ALLOWED IN CLASS!**

**Proposed Course Schedule: (Subject to change!)**

Date	Topic	Chapter
1/14	Introduction to Information Security	Ch1, Appendix-1,2
<b>1/21</b>	<b>** MLK Day - Holiday ***</b>	****
1/28	Security Fundamentals - PDF Slides	Authentication, Acces Control, Malicious Software, DB Security, DOS attacks
<b>2/4</b>	<b>EXAM-1</b>	<b>Appendices, Ch1, Ch2 and Security Intro</b>
2/11	Crypto Basics	Ch.2
2/18	Symmetric Cryptography	Ch.3
2/25	Public Key Cryptography	Ch.4
<b>3/4</b>	<b>Exam-2</b>	<b>Ch.3,4</b>
3/11-15	<b>***SPRING BREAK***</b>	*****
3/18	Hash Functions	Ch5
3/25	Authentication	Ch7
4/1	Authorization	Ch8
<b>4/8</b>	<b>EXAM-3</b>	<b>Ch: 5,7,8</b>
4/15	Authentication Protocols	Ch9
4/22	Real World Protocols	Ch10
4/29	Software Flaws	Ch11
<b>5/6</b>	<b>** FINAL EXAM ** 8:15 PM</b>	Ch:1,2,3,4,5,7,8,9,10, Appendices, Security Intro

**Name:** Dr. M. K. Raja

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**Office Telephone Number:** 817-272-3540

**Email Address:** utaraja@yahoo.com

**Office Hours:**  
**M&W: 4:30- 5:30 PM**

**Course Number, Section Number, and Course Title:** INSY 5347 - Principles of Information Security

**Time and Place of Class Meetings:** 7:00 - 9:50 PM - Mondays Room 245W

**Description of Course Content:** Information Security concepts and domains. Coverage includes fundamental concepts, critical domains and implementation issues related to Information Security. Course will include lab exercises, real-world examples and the use common tools and utilities.

**Student Learning Outcomes:**

1. Students will be able to describe Information Security CIA and DAD triads
2. Students will be able to demonstrate how to assess and manage security risks
3. Students will be able to describe access control mechanisms and their use
4. Students will be able to explain the process of Business Continuity and Disaster Recovery Planning
5. Students will be able to explain how Cryptography works
6. Students will be able to describe how to protect Security of Networks
7. Students will be able to describe Operating system Security
8. Students will be able to describe Intrusion Detection and Security scanning.

**Requirements:** A thorough understanding of computers, networks and the internet, including, but not limited to, Operating Systems, networking, Web servers, Firewalls and Databases. Must have completed at least one programming language course.

**Required Textbooks and Other Course Materials:**

**Text Book:** Information Security - Principles and Practice - 2nd Ed. - Mark Stamp (Wiley) ISBN:978-0-470-62639-9.

Additional reading material may be provided by the Instructor

**Descriptions of major assignments and examinations with due dates:**

Exams

Assignments - In class and/or Take Home

Readings may be assigned

**Grading Policy:** Grading will be based on: 1) Exams, 2) Individual Project and 3)Homeworks

**Exams - 60%**

**Assignments (in class and/or take home) - 30 %**

**Attendance and Class Participation - 10%**

**Attendance Policy:** Attendance is essential for both learning the material and doing the Lab assignments. Class assignments will contribute 10% to the final grade (see Grading Policy above).

**Drop Policy:** University drop policy should be followed for dropping the course. Drop grade will be based on current university policy.

**Americans With Disabilities Act:**

The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of federal legislation entitled *Americans with Disabilities Act (ADA)*, pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability). Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

**Academic Integrity:**

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Series 50101, Section 2.2)

**Student Support Services Available:**

The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance

academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

**Final Review Week:**

A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

**Librarian to Contact:** Contact the Business Librarian in the Business building, if you need Library assistance

**E-Culture Policy:**

The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email.

All students are assigned an email account and information about activating and using it is available at [www.uta.edu/email](http://www.uta.edu/email). New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly.

**Make-up Exam Policy:** There will be NO Make-Up exams. If you want to take the exam at a time BEFORE the scheduled time, you can do so if you can demonstrate a legitimate academic reason and arrange for a scheduled time with the instructor. The requests will be reviewed on a case-by-case basis and there is no assurance that your request will be granted.

**Grade Grievance Policy:** University policy will be followed to handle any grade grievance. You should first contact the instructor and discuss the matter by email or in person and provide any supporting material for your grievance. If the grievance is not satisfactorily resolved, you can follow the University Guidelines for further action. Please refer to the University Catalog for details.