

CIS 4301 (Information & Database Systems I)

1. **Catalog Description** See UF course catalog.

2. **Pre-requisites and Co-requisites**

COP 3504, or COP 3503 and COT 3100.

3. **Course Objectives**

This course covers the topics needed to understand how database systems can be used to store and access data. This course avoids the low level details on how the database is stored on disk and how the queries are actually implemented. Instead, this course assumes that these are already implemented and explains the logical structure of the data and how it can be queried using high level querying languages.

4. **Contribution of course to meeting the professional component** TBA

5. **Relationship of course to program outcomes** TBA

6. **Instructor** Tamer Kahveci

- a. Office location CSE 436
- b. Telephone 352-505 1554
- c. E-mail address tamer@cise
- d. Web site <http://www.cise.ufl.edu/~tamer>
- e. Office hours Monday/Wednesday 10:40-11:30 AM

7. **Teaching Assistant** TBA

8. **Meeting Times** Monday/Wednesday/Friday 3rd period (9:35 - 10:25 AM)

9. **Class/laboratory schedule** See 6 & 8

10. **Meeting Location** Williamson Hall (WM), 0100

11. **Material and Supply Fees** None

12. **Textbooks and Software Required**

First Course in Database Systems, Third Edition, ISBN: 013600637X, Prentice Hall, by Hector Garcia-Molina, Jeffrey D. Ullman, Jennifer Widom.

13. Recommended Reading (see 12 above)

14. Course Outline

I am planning to cover the following topics.

- *Relational data model.*
- *Design issues in Relational Databases (dependencies, decompositions)*
- *Database models (E/R model, UML)*
- *Relational algebra*
- *Structured Query Language*
- *Constraints*
- *Database Views and Indexes*

15. Attendance and Expectations

- *I encourage class attendance.*
- *Please return your homeworks and assignment in time. Late returns will cause 20 % deduction in your grade for that homework (etc) for each late day. Submissions after 5 days from the due date will not be graded.*
- *Please visit only during office hours. If you really need to meet me out of the office hours email me to make an appointment. If I postpone or cancel the office hour, I will post it in the announcements section and (try to) put a note on my office door.*
- *Please avoid any activities that will disturb the flow of the lectures: Silence your cell phones, pagers, etc.*

16. Grading – methods of evaluation

Grading will be based on exams and assignment: Test 1 (20%) , Test 2 (20 %), Final (30%), all homeworks combined (30 %). I will reward 90% and more class attendance with up to 2.5 % bonus.

17. Grading Scale *I will not use curve to determine the letter grades. Roughly the boundaries will be*

- 90+ *A- and above*
- 80+ *B and above*
- 70+ *C and above*
- 60+ *D and above*
- 55- *E*

18. Make-up Exam Policy *I can do one make up per test for provable + reasonable excuses. Makeup is not possible for homeworks.*

19. I quote the following directly from the standard syllabi for undergrad courses: "A C- will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit:
<http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>"
20. **Honesty Policy** – All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF student and to be honest in all work submitted and exams taken in this course and all others.
21. **Accommodation for Students with Disabilities** – Students Requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.
22. **UF Counseling Services** – Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
- University Counseling Center, 301 Peabody Hall, 392-1575, Personal and Career Counseling.
 - SHCC mental Health, Student Health Care Center, 392-1171, Personal and Counseling.
 - Center for Sexual Assault/Abuse Recovery and Education (CARE), Student Health Care Center, 392-1161, sexual assault counseling.
 - Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.
23. **Software Use** – All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.