

# Computer Science Department

## Registration Newsletter for Spring 2017

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### Dear Computer Science Major & Minor Students,

Registration is around the corner! Start thinking about your courses for next semester.

**Advising Window:** October 18 - 31

*Note: some faculty members may offer advising appointments before the window begins, so check your email.*

**Registration Window:** November 1 - 11

It is the policy of the CS department that all majors should meet with their academic advisors before registering for classes. **A registration hold has been automatically placed on your account and will be removed after the advising meeting.** Please watch for an email from your advisor asking you to make an advising appointment. Check PAWS for information on your advisor and registration date and time.

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### Spring 2017 Options Courses

#### **CSC 320-01: Information Retrieval, M/TH, 3:30 – 4:50 PM, Dr. Tao**

*(Prerequisites: CSC 230 and CSC 270, with a minimum grade of “C”)*

This course discusses theory and practice of searching and retrieval of information. Topics covered include automated indexing, statistical and linguistic models, text classification, Boolean and probabilistic approaches to indexing, query formulation and output ranking, information routing and filtering, topic detection and tracking, as well as measures of retrieval effectiveness, including relevance, utility, miss/false-alarm. Techniques for enhancing retrieval effectiveness including relevance feedback, query reformulation, thesauri, concept extraction, and automated summarization. Experimental retrieval approaches from relevant state-of-the-art conferences (TREC) as well as modern Internet search engines are discussed in detail.

#### **CSC 380-01: Artificial Intelligence, M/TH, 11:00 AM – 12:20 PM, Dr. Salgian**

*(Prerequisites: CSC 230 and CSC 270, with a minimum grade of “C”)*

The study of how to make the computer behave intelligently. Topics: state-space methods of problem solving, heuristic search techniques, representation and use of knowledge, applications and design of expert systems, natural language processing, vision and image understanding. Design of specifications for intelligent agents is discussed at length and a high level of implementation is developed.

#### **CSC 470-01: Semantic Multimedia Analysis, M/TH, 12:30 – 1:50 PM, Dr. Yoon**

*(Prerequisites: CSC 230 and CSC 270, with a minimum grade of “C”)*

In this course, students will learn about both classic and state-of-the-art semantic information analysis algorithms and techniques for multimedia data. The course will focus on introducing wide variety of methods used in modern multimedia analysis-based software development. Topics covered include low- and mid- level feature extraction, spatio-temporal models, multimodal analysis, and affective computing. If time permits, we will also explore how deep learning-based techniques can be applied in this domain.

### Couldn't get into the courses you wanted?

Complete the CS Department's Qualtrics Survey in order to get on the wait-list (*after your registration window has closed*):

[https://tcnj.qualtrics.com//SE/?SID=SV\\_3QqsTNURj8oR8y1](https://tcnj.qualtrics.com//SE/?SID=SV_3QqsTNURj8oR8y1)

**Remember:** you must complete your four-year planner *before* meeting with your advisor!

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## *Need help choosing your courses for the next few semesters?*

Visit the department's advising webpage for more information on course planning, the suggested four-year sequence, and requirements for internships and mentored research projects.

**Reminder: all  
CS juniors must  
take CSC 299 in  
Spring 2017**

Please contact the CS office or your advisor if you have any questions.

**Forcina Hall 413**  
**Phone:** (609) 771-2268  
**Email:** zsilave2@tcnj.edu  
**Fax:** (609) 637-5190

## Computer Science Courses Offered in Spring 2017

220-01	M/TH TH	2:00 – 3:20 PM 12:30 – 1:50 PM	Dr. Tao
220-02	T/TH	5:30 – 7:30 PM	Staff
230-01	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Li
230-02	M/TH TH	12:30 – 1:50 PM 11:00 AM – 12:20 PM	Dr. Li
230-03	T/F T	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Mao
270-01	M/TH M	2:00 – 3:20 PM 3:30 – 4:50 PM	Dr. Salgian
270-02	T/F F	2:00 – 3:20 PM 11:00 AM – 12:20 PM	Dr. Mao
270-03	T/F F	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Bloodgood
270-04	T/F T	2:00 – 3:20 PM 3:30 – 4:50 PM	Dr. Bloodgood
299-01	M	2:00 – 3:20 PM	Dr. Knox
299-02	TH	2:00 – 3:20 PM	Dr. Knox
320-01	M/TH	3:30 – 4:50 PM	Dr. Tao
325-01	M/TH TH	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Knox
335-01	T/F	2:00 – 3:20 PM	Dr. Papamichail
345-01	M/TH TH	9:30 – 10:50 AM 8:00 – 9:20 AM	Dr. Yoon
380-01	M/TH	11:00 AM – 12:20 PM	Dr. Salgian
415-01	T/F T	9:30 AM – 10:50 AM 11:00 AM – 12:20 PM	Dr. Pulimood
445-01	T/F	3:30 – 4:50 PM	Dr. Papamichail
470-01	M/TH	12:30 – 1:50 PM	Dr. Yoon