

# FALL 2018

## Computer Science Special Topics

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### **CS 491-1 / CS 306-1**

Monday, Wednesday, Friday

2:00 – 2:50 p.m.

EGRA 320

Instructor – Dr. Koushik Sinha

### **Linux/UNIX Programming**

(Graduate Category 2)

This course will prepare students to develop software in and for Linux/UNIX environments. Topics to be covered include basic operating system concepts, effective command line usage, shell programming, the C language, programming development tools, system programming, network programming (client-server model and sockets), and GUI programming.

**Prerequisite:** CS 220 with a grade of “C” or better

**Textbooks:**

Jones, M. Tim. *Gnu/LINUX Application Programming*, 2<sup>nd</sup> edition, Charles River Media, 2008. ISBN 9781584505686.

Stones, Richard and Matthew, Neil. *Beginning Linux Programming*, 4<sup>th</sup> edition, Wrox, 2007. ISBN 9780470147627.