MS Student Gathering

Department of Computer Science
Feb 25, 2014
How many of you are there?

- 87 MS students
- 73% male / 27% female
- 58% international / 42% US

- Spring 2014
  - 13 new students
  - 13 students graduating
Where are you from?

• US - 37
  – 11 are ODU BS graduates (not all from CS)
• India - 34
• China - 6
• 2 each from Saudi Arabia and Nigeria
• 1 each from Egypt, Jordan, Iran, Turkey, Korea, Morocco
What are you doing?

• 29 from non-CS undergrad
  – taking or completed prerequisites

• 12 in CIS concentration

• 6 doing MS Project

• 4 doing MS Thesis
Who are you working for?

• 23 are GTAs or lab instructors
  – requirements: pass SPEAK test, pass GTA1, have a good GPA

• 9 are supported as GRAs

• a few more supported in other departments
### Summer 2014 Courses

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 773</td>
<td>Data Mining and Security</td>
<td>Mukkamala</td>
</tr>
<tr>
<td>CS 795</td>
<td>Topics in .Net Security</td>
<td>Mukkamala</td>
</tr>
</tbody>
</table>

## Fall 2014 Courses - 500 Level

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 517</td>
<td>Computational Methods and Software</td>
<td>Chrisochoides</td>
</tr>
<tr>
<td>CS 541</td>
<td>App Development for Smart Devices</td>
<td>Nadeem</td>
</tr>
<tr>
<td>CS 550</td>
<td>Database Concepts</td>
<td>Levinstein</td>
</tr>
<tr>
<td>CS 555</td>
<td>Intro to Networking</td>
<td>Maly</td>
</tr>
<tr>
<td>CS 562</td>
<td>Cybersecurity Fundamentals (ONLINE)</td>
<td>TBD</td>
</tr>
<tr>
<td>CS 563</td>
<td>Cryptography (ONLINE)</td>
<td>Mukkamala</td>
</tr>
<tr>
<td>CS 576</td>
<td>Systems Programming</td>
<td>Wahab</td>
</tr>
<tr>
<td>CS 580</td>
<td>Intro to Artificial Intelligence</td>
<td>Li</td>
</tr>
<tr>
<td>CS 586</td>
<td>Intro to Parallel Computing</td>
<td>Chernikov</td>
</tr>
<tr>
<td>CS 595</td>
<td>Intro to Web Science</td>
<td>Nelson</td>
</tr>
</tbody>
</table>

# Fall 2014 Courses - 600/700 Level

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 600</td>
<td>Algorithms</td>
<td>Ranjan</td>
</tr>
<tr>
<td>CS 665</td>
<td>Computer Architecture</td>
<td>Olariu</td>
</tr>
<tr>
<td>CS 722</td>
<td>Machine Learning</td>
<td>Ji</td>
</tr>
<tr>
<td>CS 726</td>
<td>Applications of Graphs in Bioinformatics</td>
<td>He</td>
</tr>
<tr>
<td>CS 796</td>
<td>Vehicular Clouds</td>
<td>Olariu</td>
</tr>
</tbody>
</table>

http://webspace.cs.odu.edu/~ibl/csschedule.php?semester=fall14
Other Courses Offered Recently

- CS 518 Web Programming
- CS 564 Networked Systems Security (ONLINE)
- CS 565 Information Assurance (ONLINE)
- CS 595 Computational Geometry
- CS 712 Stochastic Modeling
- CS 714 Monte Carlo Simulation
- CS 723 Intro to Bioinformatics
- CS 725 Information Visualization
- CS 779 Design of Network Protocols
- CS 795 Queueing Theory
- CS 795 Web-based Information Retrieval
Degree Requirements

• All options - attendance at 10 colloquiums and CS 690 (1 CR)

• Courses-only Option
  – 34 CR (11 courses)
  – written report and oral exit exam

• Project Option
  – 34 CR (10 courses + CS 698)
  – project report and oral presentation

• Thesis Option
  – 31 CR (8 courses + CS 699x2)
  – written thesis document and oral defense
Courses-Only Example Course Plans

• 1\textsuperscript{st} semester
  – CS 550, CS 555
• 2\textsuperscript{nd} semester
  – CS 600, 2 500-level
• 3\textsuperscript{rd} semester
  – CS 665, 2 700-level
• 4\textsuperscript{th} semester
  – 3 700-level

• 1\textsuperscript{st} semester
  – CS 550, CS 555
• 2\textsuperscript{nd} semester
  – CS 600, 2 700-level
• 3\textsuperscript{rd} semester
  – 1 500-level, CS 665, 1 700-level
• 4\textsuperscript{th} semester
  – 1 500-level, 2 700-level
Modeling & Simulation (M&S) Certificate

- 4 courses

- MSIM 601 Introduction to Modeling and Simulation
  - required (but does not count towards CS MS)

- Choose 2 Foundation Electives
  - CS 517 Computational and Software
  - CS 578 Computational Geometry, Methods and Applications
  - CS 586 Intro to Parallel Computing
  - CS 600 Algorithms and Data Structures

- Choose 1 Advanced Elective
  - CS 712 Stochastic Modeling
  - CS 713 M&S in Computational Bio
  - CS 714 Monte Carlo Simulation
  - CS 715 Medical Image Computing and Simulations
  - CS 716 Communication Networks Simulation and Evaluation
  - CS 722 Machine Learning
  - CS 723 Intro to Bioinformatics
  - CS 724 High Performance Computing with GPUs for Large Scale Simulations
  - CS 725 Information Visualization
  - CS 726 Applications of Graphs in Bioinformatics

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https://graduate.cs.odu.edu/ms
Cybersecurity Certificate

• 4 courses, all online

• Fall Offerings
  – CS 562 Cybersecurity Fundamentals
  – CS 563 Cryptography for Cybersecurity

• Spring Offerings
  – CS 564 Networked Systems Security
  – CS 565 Information Assurance

• You may count 5 500-level courses towards MS if enrolled in this certificate program.
MS Website

https://graduate.cs.odu.edu/ms

• Essentials
  – Getting Started, Important Dates, Requirements, Start of Semester Checklist, To Do's for Graduating

• For Prospective Students

• Policies
  – Grading Policy, Independent Study, Colloquium, MS Project, MS Thesis
GPD

• Dr. Michele Weigle
• mweigle@cs.odu.edu
• E&CS 3214
• Spring 2014 Office Hours
  – Mon/Wed 9:30-11am

2/25/14