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# CSC 100

## The Beauty and Joy of Computing

### Introductions - To People and the Class

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Notes for CSC 100 - The Beauty and Joy of Computing  
The University of North Carolina at Greensboro

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### Personal Introductions...

#### A Few Things to Know About Me

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I am... Dr. Steve Tate

*You can call me Steve or Dr. Tate*

*You cannot call me "Hey You" or the names that come to mind when you are having trouble with your homework at 1:00am*

I am... Head of the Department of Computer Science

*I came to UNCG in 2007 to help start the CS Department*

*I am passionate about computer science*

I am... A cryptographer and computer security expert

*I am starting to do work on reliable implementations of security*

I am... A person who tries to have a life outside of work

*I have a wife and two kids*

*I like hiking, camping, music (mostly blues), and great food*

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### What should we know about you?

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When I call your name on the roll, tell me if you go by a different name, what's your major, high school you went to (if a freshman) or year at UNCG (if not a freshman), and then pick one of the following sentences to complete:

- One thing I'd really like to accomplish in life is...
- An interesting thing I've done in the past is...
- Someone I find really interesting is... (because...)
- Something I'd really like to learn is...
- If I could do anything I wanted without worrying about having to earn a living, it would be...

*Only one rule: Try to be unique (don't repeat what someone else said!)*

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## Upcoming deadlines / expectations

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Before lab on Friday:

- Look around class web site to familiarize yourself with content
- Make sure you can sign in to Canvas and see the class
- Post an intro message in the Canvas general discussion forum
  - Minimum post: Give your name and one sentence about yourself
  - Better: Post a picture and tell us what you hope to accomplish in life
- Do pre-lab work for Lab 1!

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## Who is CSC 100 for?

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Who this class is for: Anyone else who wants to learn more about computer science.

*But be aware: As a "100" class, early on we will also talk about some topics that are particularly important for 1st year students - how to succeed in college, study tips, etc. If you're a senior, you might find this boring - but then your role can be to give advice to the freshmen!*

Defining characteristics:

- Focus is on a broad overview, not specific skills
- Stresses developing "computational thinking" abilities
- Connections, connections, connections, ...

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## A Quote....

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*Any sufficiently advanced technology is indistinguishable from magic.*

- Arthur C. Clarke

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## A Quote....

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*Any sufficiently advanced technology is indistinguishable from magic.*

- Arthur C. Clarke

So to re-state the purpose of CSC 100:

CSC 100 is designed to make you appreciate magic, and start some of you on the road to being sorcerers.

(UNCG CS.... the new Hogwarts)

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## Syllabus Review

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A syllabus tells you what to expect from a class - the class rules, what is expected of you, how you will be graded, how you can ask questions, and usually a calendar or topics list for the class.

### **Let's review the CSC 100 Syllabus**

*Every class you take at UNCG will have a syllabus. Always (always, always, always, always) read the syllabus carefully on the first day of class. You might even want to review it several times during the semester as well for a refresher...*

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## Advice from Freshmen from 2013 Class

### *Responses to an end-of-semester survey (Fall 2013)*

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*The most valuable thing I learned this semester was ...*

- don't procrastinate
- know how to survive, even when you have no idea what to do prior to test
- to plan in advance
- don't burn out on homework
- homework saves grades
- read pre-labs
- time management

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## Tour of Online Resources

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Class web page: <http://www.uncg.edu/cmp/faculty/srtate/100>  
*Some highlights: Schedule, handouts, and "More Information"*

Canvas: <http://canvas.uncg.edu/>  
*Blackboard is for things that require a login: discussion forum, submitting homework, reading reflections, and checking your grades.*

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## Remember...

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Before lab on Friday:

- Familiarize yourself with class web site
- Make sure you can sign in to Canvas
- Post an intro message in the Canvas
- Do pre-lab work for Lab 1!

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## Video: What most schools don't teach

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<https://www.youtube.com/watch?v=nKlu9yen5nc> (link on class web page)

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