University of St Andrews

CS2003: Internet and the Web Introduction

2020/21

University of St Andrews

General information

Network

Tristan Henderson

- 2 Practicals (see MMS):
  - Net1 (10%): due week 2
  - Net2 (30%): due week 9

World Wide Web

Özgür Akgün (Oz)

- 2 Practicals (see MMS):
  - Web1 (30%): due week 7
  - Web2 (30%): due week 11

Exam details to come

Lectures, Labs, Tutorials

University of St Andrews

- Lectures:
  - 11:00 Mon/Tue/Wed, Live on Teams (recordings available on Panopto later)
  - Remember that all slots are 45 minutes this year: 11:05 to 11:50
- Exercise class:
  - 11:00 Thu, on Teams (no recordings)
- Tutorials:
  - TBA (please enter your constraints on the MMS Enrolment tool)
  - Starting in Week 02
- **Please prepare for your Tutorial:**
  - **Read lecture material (and other sources).**
  - **Register for PeerWise – instructions will be placed on studres in the Tutorials directory next week (once advising is finished).**
  - **Answer the tutorial questions.**
  - **Be ready for discussion!**

Communication

University of St Andrews

- Primary means of communication from lecturers: the lectures
- Secondary means of communication from lecturers: e-mail
  - check that you received test mail to cs2003.stu@cs.st-andrews.ac.uk
- Primary means of communication to lecturers: e-mail
  - cs2003.lec@cs.st-andrews.ac.uk
- Optional (and unreliable) means of communication with lecturers: MS Teams
  - Teams will be used for delivering lectures and for lab sessions
  - but do not assume that messages on Teams will be read
  - the Teams UI is not the greatest
  - use e-mail!
- Remember that you are expected to check your e-mail regularly
  - only send e-mail from your st-andrews.ac.uk account or it may be filtered

A note on coursework

University of St Andrews

- All coursework needs to be able to run on the CS Linux **host servers**, and should be tested before submission.
- Unless otherwise instructed, you should not use any third-party or external libraries, frameworks, or environments: use only what is on the host servers.
- Markers need to be able to compile / run / test your submissions themselves on the host servers.
  - Any submissions that will not compile / run / test on the host servers will not receive the credit that they might otherwise have received.

Network stream

- Networking and internetworking.
- Writing and running code on remote servers.
- Naming, addressing, and routing.
- Core protocols:
  - Internet Protocol (IP).
  - Transmission Control Protocol (TCP).
  - User Datagram Protocol (UDP).
  - Hyper Text Transfer Protocol (HTTP).
- Applications.
- Security and privacy.
- Simple network applications in Java.

University of St Andrews

Web stream

- WWW-based applications
- Models of computation
- Communication mechanisms
- Limitations
- Standard technologies: HTML5, CSS, Javascript, Node.js, JSON

Course material

- Lecture material:
  - Videos on panopto, slides on studres.
- Example code:
  - On studres.
  - Please try these out in the Thu morning Exercise classes and Mon-Wed afternoon Lab sessions.
- Course texts:
  - See the reading list server
    - http://resourcelists.st-andrews.ac.uk/modules/cs2003
  - For the network stream, Peterson & Davie (on github) or Kurose & Ross (in the library but might be hard to get) are preferred.
- Your own notes and background reading.

School policy – key points

- You are assumed to be familiar with the whole student handbook
- Read the Good Academic Practice policy
- Check that coursework submitted to MMS has been received successfully, and that it's the right piece of coursework
- Any special circumstances must be documented immediately through the self-certification system, and followed up with coordinator if you are seeking any allowance
- You must be available for the entire exam period
- You must familiarise yourself with the School and University health & safety guidance
- You are reminded that you have agreed to abide by the conditions of the **Sponsio Academia**
- For more see https://info.cs.st-andrews.ac.uk/student-handbook/key-points.html

Any questions?

Ask in the chat