Network Programming

Instructor: Dave Hollinger

Home Page:
`www.cs.rpi.edu/~hollingd/netprog`

Email: **`netprog@cs.rpi.edu`**

Course Home Page

- Announcements
- Homework Assignments
- Lecture Notes
- Links to required readings
- FAQs (for homework and tests)
- Links to web resources

Programming Environment

- Unix workstation
  - Solaris, AIX, IRIX, Linux, BSD, …
- All students have an RCS account
- All students will get an account on Computer Science workstations

Homework Submission

- Submission will be via email.
- Date and Time of submission is when our mail server receives your submission.
- Automated system – you must follow the directions!

Homework (cont.)

- Directions for submission will be posted on the course home page with the first assignment.
- Submission guidelines will also be posted on the course web site
  - what we expect: comments, Makefiles, etc.

Email

`netprog@cs.rpi.edu` - for questions about homeworks or material covered in lecture.

`hollingd@cs.rpi.edu` - for questions about my kids or to find out what kind of cookies you can send me.

Email (cont.)

`netprog-submit@cs.rpi.edu`

- for homework submissions only!
- will be answered by a program (not a human).
- more details with the 1st assignment.

WebCT

WebCT will be used for course grades only!

Please check your grades!

Course Topics

- Networking
- TCP/IP
- Sockets Programming
- The Internet and Internet protocols
- The WWW and Web programming
- Security
- Other Network Programming APIs

Grading

- 2 Tests 30%
- Projects 70%
- Syllabus indicates 7 projects!
- Grades posted on WebCT

Project Grading

It is expected that everyone is a good programmer.

Comments are required.

Structured, readable code is required.

25% of the grade depends on the whims of the TA quality of the code.

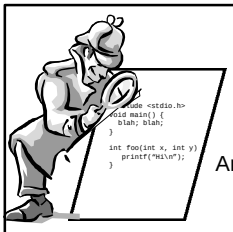
Code “quality”

- Is the code easy to understand?
- How hard would it be to make a small change to the functionality?
- Are all possible error situations handled?
- Can the code handle unexpected input?

Security concern!

Academic Integrity

- All programming projects are to be done individually!
- Discussion is encouraged.
- No sharing of code in any form
- Catching cheaters is my hobby!



Really – I mean it!

Any projects submitted that are unreasonably similar will result in a zero, zilch, 0, 0^{1000}, nada, nothing for the project for ALL people involved, and possibly, failure in the course.

Classroom activities

Lectures

Demonstrations

Discussions

Thought Exercises

Don’t go to sleep!

Ask questions!

Correct Dave! *extra credit!

Share anecdotes!

Make suggestions!

Tell jokes!

Use exclamation points!!!