

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(s)

- Unix workstation
 - Solaris, AIX, IRIX, Linux, BSD, ...
- All students will get an account on Computer Science Department Sun workstations (running Solaris).
- All grading will be done on CS Suns!

Homework Submission

- Submission will be via WebCT Drop Box.
- Date and Time of submission is recorded by WebCT.
- Make sure you understand how to submit (practice first)!

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 homework 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.

WebCT

Grades will be made available on WebCT.

Feel free to use the WebCT message board to communicate with other students. Dave and the T.A.s will watch the message boards as time permits.

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%
- 7 projects! Some big, some small...
- You must pass the tests to pass the course! (test average must be 50%).

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.
 - looking at code is a form of sharing!
- Catching cheaters is my hobby!



Really – I mean it!

Any projects submitted that are unreasonably similar will result in the following for ALL people involved:

- grade of 0 for the project
- and*
- a two-letter grade reduction in course grade.

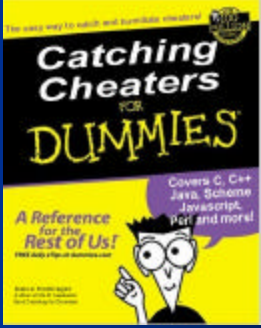
Possible failure in the course.

```

int main() {
    char *str;
    int i;
    int footint x, int y;
    printf("hi\n");
}
    
```

Netprog 2004 - Course Information 13

Check out my new book:



14

Getting Help with Projects

- use netprog@cs.rpi.edu
- Discuss anything with anyone!
- **DO NOT SHARE CODE IN ANY FORM.**
- Feel free to use WebCT message board, but do not post your code.

Netprog 2004 - Course Information 15

Lectures

Typically 90 minutes.

Questions/Comments are encouraged!
(otherwise Dave goes too fast...)

Read something interesting and relevant to
this course? Announce it in class!



Lectures need your help!

- Ask questions!
- Correct Dave! *+extra credit!*
- Share anecdotes!
- Make suggestions!
- Tell jokes!

Use exclamation points!!!
