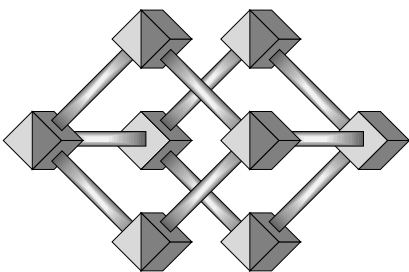
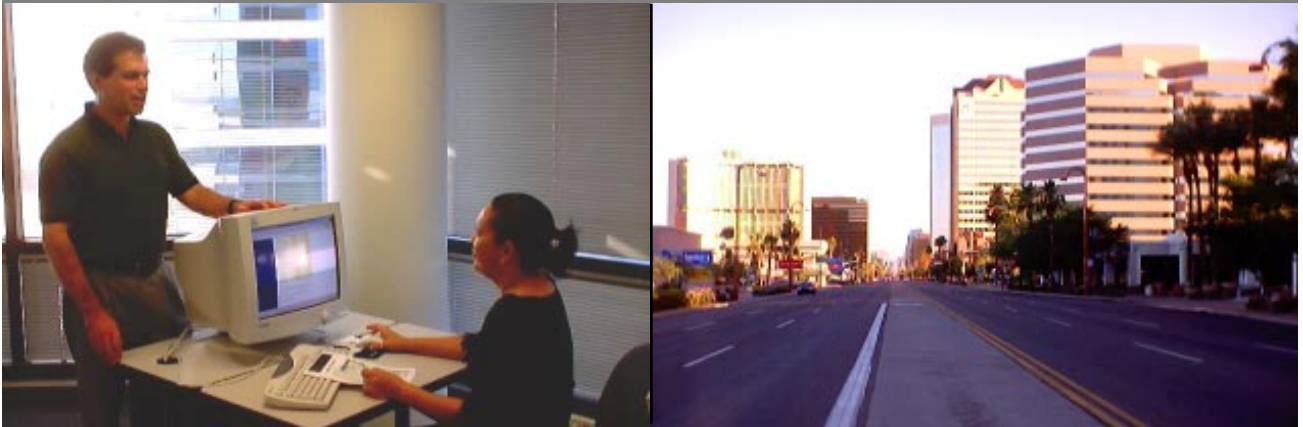


IIUSA-519 CGI Programming in Perl

STUDENT MANUAL

Internet Institute
USA



**IIUSA Training
and Education**

CGI Programming in Perl

Course Number: IIUSA-519

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PROJECT TEAM

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To the Student

The only prerequisite knowledge for IIUSA-519 students is basic HTML. No prior programming experience is expected. Also, no Unix background is expected, even though Unix is the server-side operating system that is assumed. Only a few simple Unix commands (`cal`, `date`, `who`) are used.

Computer accounts are needed on a server machine in which CGI is enabled. An account outside of IIUSA may be used, such as may be provided by a student's Internet Service Provider (ISP), while taking into account configuration differences. At IIUSA, every student is assigned a CGI-enabled account on a Unix system running the Apache Web server, and it is recommended that this account be used because this manual is designed with the Unix/Apache environment in mind.

This course is split into four 3-hour sessions for a traditional classroom setting, and may be delivered in modules of varying lengths for other methods of delivery, such as hybrid learning.

Homework and Certification Project

Homework projects are detailed at the end of this tutorial. In short, the homework at the end of the first session is to read chapters 1 through 5 of the Castro book, and to read the first two parts of this manual, and to make a simple CGI script work on the student's IIUSA server account. Homework at the end of the second session is to read the remaining chapters of the Castro book, to read Part 3 of this manual, and to create a Perl script that sends a calendar via email to a recipient. Homework at the end of the third session is to read Part 4 of this manual, and to create a framework for a line oriented database. Homework at the end of the fourth session is to complete the line oriented database project.

Finding errors in CGI/Perl scripts

The Web server records errors in a log that is not made visible to the Web browser. On `iiusa.cc`, in a telnet window, use:

```
tail -f /var/log/httpd/error_log
```

to get a continuous update of the most recent error messages logged. For other systems and servers, the log may be located in some other place, and a different mechanism may be needed to view the error log. For these cases, the system administrator or local FAQ page will need to be referenced for the Web site.

At IIUSA, we wish you the best of success in your studies.