University of Wisconsin-Whitewater

Curriculum Proposal Form #4R

# **Change in or Deletion of an Existing Course**

Type of Action (check all that apply)

Pre-requisite Change

Add Cross-listing \*  Technological Literacy

Course Deletion  Title Change   
 Number Change  Writing Requirement

(other) Course description

**Effective Term**:

**Current Course Number** (*subject area and 3-digit course number)*: COMPSCI 382   
**Cross-listing *(if applicable)***:

**New Course Number** (*subject area and 3-digit course number*):

**Cross-listing *(if applicable)***:

**\*If adding a cross-listing, include the following:**

Required in the major:   
  
Required in the minor:

Number of credits: Lab hours/week:    
  
Contact hours/week: Repeatable

**Current Course Title**: PERL and CGI Scripting

**New Course Title**: **CGI Scripting**

**25-Character Abbreviation** *(if new title)*: CGI Scripting

**Sponsor(s)**: Sobitha Samaranayake

**Department(s):** Mathematical and Computer Sciences

**College(s):**

**List all programs that are affected by this change:**

If programs are listed above, will this change affect the Catalog and Advising Reports for those programs? If so, have Form 2's been submitted for each of those programs?

(Form 2 is necessary to provide updates to the Catalog and Advising Reports)

NA  Yes  They will be submitted in the future

Proposal Information: ([***Procedures for form #4R***](http://acadaff.uww.edu/UCC/Curriculum_Handbook_09/Procedures_form4R.docx))

1. **Detailed explanation of changes** (use FROM/TO format)

***FROM:***

Perl and CGI scripting are key to processing web forms, as well as for automating a wide range of server tasks. Perl is optimized for scanning text files, extracting, information and generating reports/web pages based on the results. This course will provide a thorough introduction to the Perl language, with an emphasis on its use in processing web forms. Students will learn to manipulate data, generate dynamic web pages, control email and much more.

***TO:***

CGI scripting is the key to processing web forms, as well as for automating a wide range of server tasks. This course will provide a thorough introduction to the CGI scripting languages including PERL, PHP, PYTHON, and RUBY. Students will learn to manipulate data, generate dynamic web pages, control email and much more.

## Justification for action

The department of Mathematical and Computer Sciences introduced the PERL and CGI Scripting course in 2001, and Perl was chosen as the CGI scripting language since it was the most popular scripting language used then. CGI scripting languages are evolving and there are many other modern scripting languages available and supported by the large majority of vendors. Therefore, it makes sense to expose the students to current and most common scripting languages used in the industry.