

MASTER SYLLABUS

Course Discipline Code & No: CIS 222 Title: Linux/UNIX Programming and Scripting II Effective Term Fall 2006Division Code: BCT Department Code: CIS Org #: 13400Don't publish: ☐ College Catalog ☐ Time Schedule ☐ Web Page

Reason for Submission. Check all that apply.

- ☒ New course approval
☐ Three-year syllabus review/Assessment report
☐ Course change
☐ Reactivation of inactive course
☐ Inactivation (Submit this page only.)

Change information: Note all changes that are being made. Form applies only to changes noted.

- ☐ Consultation with all departments affected by this course is required.
☐ Course discipline code & number (was _____)*
 *Must submit inactivation form for previous course.
☐ Course title (was Linux/UNIX Fundamentals)
☐ Course description
☐ Course objectives (minor changes)
☐ Credit hours (credits were: _____)
☐ Total Contact Hours (total contact hours were: _____)
☐ Distribution of contact hours (contact hours were: lecture: _____ lab _____ clinical _____ other _____)
☐ Pre-requisite, co-requisite, or enrollment restrictions
☐ Change in Grading Method
☐ Outcomes/Assessment
☐ Objectives/Evaluation
☐ Other _____

Rationale for course or course change. Attach course assessment report for existing courses that are being changed.

Updating the Linux and UNIX programs.

Approvals Department and divisional signatures indicate that all departments affected by the course have been consulted.

Department Review by Chairperson ☐ New resources needed ☐ All relevant departments consultedPrint: Philip Geyer Signature: Philip Geyer Date: 3-13-06
Faculty/PreparerPrint: Philip Geyer Signature: Philip Geyer Date: 3-13-06
Department Chair

Division Review by Dean

☐ Request for conditional approvalRecommendation ☒ Yes ☐ No James D. Dulan 3/23/06
Dean's/Administrator's Signature Date

Curriculum Committee Review Recommendation

☐ Tabled ☐ Yes ☐ No _____
Curriculum Committee Chair's Signature Date

Vice President for Instruction Approval

Roger M. Palacy 4/24/06
Vice President's Signature DateApproval ☐ Yes ☐ No ☒ Conditional

Do not write in shaded area.

Log File ☐ Ecopy ☐ Banner 4/25 C&A Database 4/25 C&A Log File 3/24/06 Basic skills ☐ Contact fee ☐Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Office of Curriculum & Assessment

<http://www.wccnet.edu/departments/curriculum/>

*Complete ALL sections which apply to the course, even if changes are not being made.

Course: <u>CIS 222</u>	Course title: <u>Linux/UNIX Programming + Scripting II</u>
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Credit hours: <u>3</u> If variable credit, give range: _____ to _____ credits	Contact hours per semester: <table border="1"> <tr> <th></th> <th>Student</th> <th>Instructor</th> </tr> <tr> <td>Lecture:</td> <td><u>45</u></td> <td><u>45</u></td> </tr> <tr> <td>Lab:</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Clinical:</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Practicum:</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Other:</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Totals:</td> <td><u>45</u></td> <td><u>45</u></td> </tr> </table>		Student	Instructor	Lecture:	<u>45</u>	<u>45</u>	Lab:	_____	_____	Clinical:	_____	_____	Practicum:	_____	_____	Other:	_____	_____	Totals:	<u>45</u>	<u>45</u>	Are lectures, labs, or clinicals offered as separate sections? ☐ Yes - lectures, labs, or clinicals are offered in separate sections ☒ No - lectures, labs, or clinicals are offered in the same section	Grading options: ☐ P/NP (limited to clinical & practica) ☐ S/U (for courses numbered below 100) ☒ Letter grades
		Student	Instructor																					
Lecture:	<u>45</u>	<u>45</u>																						
Lab:	_____	_____																						
Clinical:	_____	_____																						
Practicum:	_____	_____																						
Other:	_____	_____																						
Totals:	<u>45</u>	<u>45</u>																						

Prerequisites. Select one:

☒ College-level Reading & Writing
 ☐ Reduced Reading/Writing Scores
(Add information at Level I prerequisite)
☐ No Basic Skills Prerequisite
(College-level Reading and Writing is not required.)

In addition to Basic Skills in Reading/Writing:

Level I (enforced in Banner)

Course	Grade	Test	Min. Score	Concurrent Enrollment (Can be taken together)	Corequisites (Must be enrolled in this class also during the same semester)
☐ and ☐ or _____	_____	_____	_____	☐	_____
☐ and ☐ or _____	_____	_____	_____	☐	_____
☐ and ☐ or _____	_____	_____	_____	☐	_____
☐ and ☐ or _____	_____	_____	_____	☐	_____

Level II (enforced by instructor on first day of class)

Course	Grade	Test	Min. Score
CIS 221 or permission of Instructor_ _____	_____	_____	_____
☐ and ☐ or _____	_____	_____	_____
☐ and ☐ or _____	_____	_____	_____

Enrollment restrictions (In addition to prerequisites, if applicable.)

☐ and ☐ or Consent required
 ☐ and ☐ or Admission to program required
 Program: _____
 ☐ and ☐ or Other (please specify): _____

Please send syllabus for transfer evaluation to:
 Conditionally approved courses are not sent for evaluation.
 Insert course number and title you wish the course to transfer as.

☐ E.M.U. as _____	☐ _____ as _____
☐ U of M as _____	☐ _____ as _____
☐ _____ as _____	☐ _____ as _____

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Course	Course title	
Course description State the purpose and content of the course. Please limit to <u>500</u> characters.	Advanced shell programming topics as well as an introduction to awk, perl, and php.	
Course outcomes List skills and knowledge students will have after taking the course. Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	Outcomes (applicable in all sections)	Assessment Methods for determining course effectiveness
	Design and write perl, awk and php programs as well as advanced scripts. Determine the best tool for the task.	Labs and homework assignments , exams
Course Objectives Indicate the objectives that support the course outcomes given above. Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.	Objectives (applicable in all sections)	Evaluation Methods for determining level of student performance of objectives
	Write basic programs in perl.. This should include using conditional statements, variables and looping structures. Write basic programs in php. Write basic programs in awk. Write advanced shell programs.	Homework, lab assignments, and exams will be used to demonstrate the the student has the basic understanding of each language. .
List all new resources needed for course, including library materials.		
Student Materials:		
List examples of types Texts Supplemental reading Supplies Uniforms Equipment	UNIX Shell Programming by Kochan and Wood, (SAMS) Effective awk Programming by Robbins (O'Reilly)	Estimated costs \$35 \$40

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Tools Software		
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Equipment/Facilities: Check all that apply. (All classrooms have overhead projectors and permanent screens.)

Check level only if the specified equipment is needed for all sections of a course.

☐ Level I classroom
Permanent screen & overhead projector

☐ Level II classroom
Level I equipment plus TV/VCR

☒ Level III classroom Computers with removable hard drives with Linux
Level II equipment plus data projector, computer, faculty workstation

☐ Off-Campus Sites

☐ Testing Center

☐ Computer workstations/lab

☐ ITV

☐ TV/VCR

☐ Data projector/computer

☐ Other _____

Assessment plan:

Learning outcomes to be assessed (list from Page 3)	Assessment tool	When assessment will take place	Course section(s)/other population	Number students to be assessed
All	Assignments and exams	Winter, 2008	All	All completing course

Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.

By a team of CIS instructors using department developed rubric.
2. Indicate the standard of success to be used for this assessment.

70% (plus or minus) depending on the exam.
3. Indicate who will score and analyze the data.

See #1
4. Explain the process for using assessment data to improve the course.

Review of results by CIS instructors and UNIX professionals on our advisory committee.