PSC 600: Project Description and Scoring Guide
Operating Systems Research Paper

Overview

The final project for this course is the creation of a research paper. Based on the knowledge obtained in this course and previous coursework, you will examine a topic relevant to operating systems based on theory and practice. You are expected to identify a particular topic relevant to operating systems, investigate the topic through extensive literature search and deep synthesis, and produce a scholarly paper. You should discuss specific research interests with the instructor so there is agreement on the suitability of the project. Make sure to include topics discussed throughout this course. One of the following project types is acceptable for this course:

- Exploratory investigation of a topic: Carry out an extensive examination of an operating system problem through literature review, analysis, and concept synthesis.
- Evaluation: Conduct an evaluation of an operating system technology, design, or tools used in operating system management. Comparative evaluations of two or more similar tools or technologies are acceptable.

Milestones

Milestone One: *Project Proposal*

In **Final Project: Research Project Proposal**, you will submit your Project Proposal. Submit a two-page proposal outlining your plan for the final project, including the **project type** and how you will complete the assignment. This assignment is not graded but will be evaluated as part of the Milestone Submission element when your Final Project is graded.

Milestones Two: Project Mid-Progress

In **Final Project: Research Mid-Progress Report**, you will submit your mid-progress report, including the work you have done and the work to be done. This assignment is not graded but will be evaluated as part of the Milestone Submission element when your Final Project is graded.

Milestone Three: *Rough Draft*

In **Final Project: Rough Draft of Final Project**, you will submit a draft of your Final Project. It should be 5-10 pages long and contain details of the work, including a draft of literature integration. This assignment is not graded but will be evaluated as part of the Milestone Submission element when your Final Project is graded.

Milestone Four: *Final Project*

In **Final Project: Submit**, you will submit your Final Project. It should reflect the incorporation of feedback gained throughout the course. This milestone will be graded using the Final Project Rubric.

Deliverable Milestones

Milestone	Deliverables	Due in Week	Grading Metric
1	Research Project Proposal	Three	Instructor feedback; grade included as part of final project using Final Rubric
2	Resource Submission	Five	Instructor feedback; grade included as part of final project using Final Rubric
3	Rough Draft of Final Project: Research Paper	Eight	Instructor feedback; grade included as part of final project using Final Rubric
4	Final Project: Research Paper	Ten	Graded using Final Project Rubric

Rubric

Requirements of submission: Written components of projects must follow these formatting guidelines when applicable: double spacing, 12-point Times New Roman font, one-inch margins, and discipline-appropriate citations. 10-15 pages, not including cover page and references.

Critical Elements	Distinguished	Proficient	Emerging	Not Evident	Value
Milestone submission and incorporation of feedback	Meets **Emerging requirements** and addresses **all** instructor feedback through incorporation or clarifying questions/ dialogue with instructor. (9-10)	Meets **Emerging requirements** and incorporates **some** of the instructor's feedback throughout the progression of the project. (8)	Student **completes** and submits **all** milestones by the **due date.** (7)	Student submits **incomplete** milestones or **does not submit by the due date.** (0-6)	10
Comprehensive final product	Addresses **all** of the main elements of the final product **directly** and includes **additional elements** that logically enrich and extend. (14-15)	Addresses **all** of the main elements of the final product listed above **directly**. (12-13)	Addresses **all** of the main elements of the final product listed above either **directly or indirectly**. (11)	Does not address all of the main elements of the project listed above. (0-10)	15

Context	Establishes a context that speaks to **all relevant** course objectives. (14-15)	Establishes a context that speaks to **several** specific course objectives. (12-13)	Establishes a context that speaks to **at least one** specific course objective. (11)	Establishes a context that **does not** address **at least one** course objective. (0-10)	15
Incorporation of scholarly resources	Incorporates **at least six** properly cited scholarly resources that **reflect depth and breadth of research**. Correctly follows APA guidelines. (14-15)	Incorporates **at least four** properly cited scholarly resources that **reflect depth of research**. Correctly follows APA guidelines. (12-13)	Incorporates **at least two** properly cited scholarly resources, following proper APA guidelines. (11)	Does not incorporate **at least two** properly cited scholarly resources or sources are not cited following APA guidelines. (0-10)	15
Application of course concepts (15)	**Applies** at least **four** course concepts in authentic ways. (14-15)	**Illustrates** at least **four** course concepts with specific examples. (12-13)	**Describes** at least **three** course concepts with accurate details. (11)	**Does not describe** at least **two** course concepts with accurate details. (0-10)	15
Evidence of higher order thinking (20)	**Evaluates or synthesizes multiple** course concepts in a way that demonstrates **creative thinking**. (18-20)	Logically and accurately **analyzes or evaluates multiple** course concepts. (16-17)	Logically and accurately **analyzes or evaluates** at least **one** course concept. (14-15)	**Does not** logically and accurately **analyze or evaluate** at least **one** course concept. (0-13)	20
Mechanics (10)	**No** errors related to organization, grammar, and style. (10)	Errors of grammar, organization, and style are **marginal** and **rarely interrupt the flow**. (8-9)	Errors of grammar, organization, and style are **limited** enough that the paper is still **able to be understood**. (7)	Errors of grammar, organization, and style make the paper **difficult to understand**. (0-6)	10
Other Instructor Notes:				**TOTAL PERCENT EARNED:**	
					/100%