

Cairo University

Faculty of Computers and Artificial Intelligence

BCS241 Operating Systems

2nd Semester – 2020 - Research Description



Cairo University, Faculty of
Computers and Artificial Intelligence

Research Topics:

Select ONE of the following four research topics:

- Topic (A) It is required to prepare a comparative study between different techniques of deadlock handling.
- Topic (B) It is required to prepare a comparative study between different techniques of file allocation.
- Topic (C) It is required to prepare a comparative study between different techniques of disk scheduling.
- Topic (D) It is required to prepare a comparative study between different techniques of system protection.

General Instructions:

- 1- Each research topic is prepared by teams of at most FIVE students.
- 2- Each comparative study must applied among at least THREE different operating systems of your choice.
- 3- Each team of students will submit one combined report and must contribute equally to the work.
- 4- **Students have collective ownership and responsibility of their project. Any violation of academic honesty will have severe consequences and punishment for ALL team members.**
- 5- **Please submit only work that you did yourself. If you copy work from your friend or book or the internet, you will fail the course.**
- 6- Use the cover page in Appendix A as the report cover.
- 7- The report contains the following parts (10-15 pages):
 - Table of contents.
 - Introduction (about the selected topic).
 - Brief description of the selected Operating systems.
 - A Comparative study (using your selected comparative features).
 - Conclusion
 - References (a guideline of reference writing could be found in this link <https://libguides.lub.lu.se/c.php?g=297505&p=1984175>)

Cairo University

Faculty of Computers and Artificial Intelligence

BCS241 Operating Systems

2nd Semester – 2020 - Research Description



Cairo University, Faculty of
Computers and Artificial Intelligence

Appendix A

Cairo University

Faculty of Computers and Artificial Intelligence

CS342

Operating Systems (2)

2nd Semester 2020 Research

XXX Title XXX

ID	Name	Email