CSIS 1525 - Survey of Modern Operating Systems

Fall 2026 Syllabus, Section 03, CRN 41110,

Credit hours: 3

Instructor

Cameron Hughes

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Public Instructor Information

Instructor Title: Instructor
Instructor Professional Qualifications: Master of Computing And Information Science (Youngstown State University - 2008)
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Course Description

1525. Survey of Modern Operating Systems. This course presents the history of design and creation of the operating system, role and purpose of the operating system, functionality of a typical operating system, mechanisms to support client-server models, handheld devices, design issues (efficiency, robustness, flexibility, portability, security, compatibility). Influences of security, networking, multimedia, windowing systems. This course will introduce the Android, IOS, Linux, Windows, and Unix operating systems. This course is not applicable to the CSCI major. This course is not designed for beginning computer users. Beginning computer users should take CSIS 1500: Computer Literacy before taking this course. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	no readings		

https://source.android.com/

https://www.operating-system.org/betriebssystem/_english/bs-darwin.htm

https://dspinellis.github.io/oral-history-of-unix/frs122/unixhist/finalhis.htm

https://www.cs.princeton.edu/~bwk/

https://gunkies.org/wiki/Solaris

August 25, 1991 post (torvalds@klaava.Helsinki.FI) to comp.os.minix

https://computerhistory.org/blog/a-computing-legend-speaks/

https://www.uwyo.edu/infotech/aboutit/history/vms-era.asp

https://en.wikipedia.org/wiki/Unix_wars

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Mon	8/24	Syllabus	Syllabus. Review and. Questions	
Wed	8/26		Operating. System Introduction & Progenitors	
Mon	8/31	Operating System LInks. from. Syllabus	Operating. System Introduction	
Wed	9/2		Operating System. Architectures	

Mon	9/7	Operating System Links. from Syllabus	Operating System. Components
Wed	9/9	Handouts	Operating System Progenitor. Drill Down
Mon	10/12		Midterm
Mon	11/16		Presentations
Wed	11/18		Presentations
Mon	11/30		Papers. Due

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.