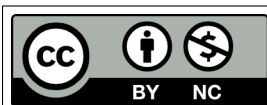


# Abridged Syllabus: Workstation Programming

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# 1 Details

<b>Course &amp; Section:</b>	<i>Workstation Programming</i> , CISC 3350, MW2
<b>Days &amp; Time:</b>	Mondays, Wednesdays (MoWe), 02:15 PM – 03:30 PM
<b>Location:</b>	Ingersoll Hall, Room 1141 (IH-1141 in short)
<b>Instructor:</b>	Miriam Briskman
<b>E-mail:</b>	<a href="mailto:miriam.briskman@brooklyn.cuny.edu">miriam.briskman@brooklyn.cuny.edu</a>
<b>Response Time:</b>	Within 24 – 48 hours, between 12 PM to 9:30 PM
<b>Office Hours:</b>	Wednesdays, 07:30 PM – 09:30 PM, online through Blackboard. Alternatively, please email me to schedule an appointment.
<b>Course Materials:</b>	[Free] <i>CISC 3350 OER Course Packet</i> , compiled by Miriam Briskman. Link: <a href="http://146.245.250.131/~briskman/cisc/3350/CISC_3350_OER_Course_Packet.pdf">http://146.245.250.131/~briskman/cisc/3350/CISC_3350_OER_Course_Packet.pdf</a> . <hr/> <b>Note:</b> This course uses only free, open-source materials.
<b>Prerequisites:</b>	CISC 3130 (Data Structures)
<b>Tools/Resources:</b>	Blackboard; Access to a computer (OS doesn't matter); Adobe Acrobat Reader DC

## 1.1 Course Description

(3 credits) Programming techniques for development of applications on networks of workstations. Process environments, file system issues. Concurrent programming, interprocess communication. Graphical user interfaces, event-driven programming. Distributed programming; remote process creation, the client-server model, message passing.

(Taken from CUNYFirst.)

## 1.2 Course Objectives

By the end of this course, you will master the following skills:

- Recognition of vital features of the Linux/UNIX operating system.
- Understanding of how Linux/UNIX commands are constructed and how to reproduce similar commands on your own.
- Provision of practice and examples that complement CISC 3320 (Operating Systems).
- Understanding and writing C programs using Linux/UNIX text editors.
- Independent searching and verbal expression of answers based on given sources or your opinion.

Please refer to the Required Electronic Tools and Resources section at the end of the full version of the syllabus for information about how to obtain the software required for this course (for free, of course.)

## 2 Grading Components

The course's grade is influenced by the following components:

<b>Attendance</b>	10%
<b>Participation</b>	15%
<b>Homework</b>	20%
<b>Midterm</b>	25%
<b>Final</b>	30%
<b>Extra Credit</b>	5%

## 3 Grades

Students will receive a letter grade for the course according to the following score distribution established by CUNY:

<b>&lt;60</b>	<b>60-62</b>	<b>63-66</b>	<b>67-69</b>	<b>70-72</b>	<b>73-76</b>	<b>77-79</b>	<b>80-82</b>	<b>83-86</b>	<b>87-89</b>	<b>90-92</b>	<b>93+</b>
F	D-	D	D+	C-	C	C+	B-	B	B+	A-	A

A grade of A+ will be granted for numerical grades of 97 or higher after all extra credit points you received are applied to the grade.

## 4 Important Brooklyn College Policies

### 4.1 Center for Student Disability Services

The Center for Student Disability Services (CSDS) is committed to ensuring students with disabilities enjoy an equal opportunity to participate at Brooklyn College. In order to receive disability-related academic accommodations students must first be registered with CSDS. Students who have a documented disability or suspect they may have a disability are invited to schedule an interview by calling (718) – 951 – 5538 or emailing [Josephine.Patterson@brooklyn.cuny.edu](mailto:Josephine.Patterson@brooklyn.cuny.edu). If you have already registered with CSDS, email [Josephine.Patterson@brooklyn.cuny.edu](mailto:Josephine.Patterson@brooklyn.cuny.edu) or [testingcsds@brooklyn.cuny.edu](mailto:testingcsds@brooklyn.cuny.edu) to ensure the accommodation email is sent to your professor.

### 4.2 Nonattendance Because of Religious Beliefs

The Brooklyn College undergraduate Bulletin for the years 2024 – 2025 states:

The New York State Education Law provides that no student shall be expelled or refused admission to an institution of higher education because he or she is unable to attend classes or participate in examinations or study or work requirements on any particular day or days because of religious beliefs. Students who are unable to attend classes on a particular day or days because of religious beliefs will be excused from any examination or study or work requirements. Faculty must make good-faith efforts to provide students absent from class because of religious beliefs equivalent opportunities to make up the work missed; no additional fees may be charged for this consideration.

Based on the description above, if you are incapable of attending a class because of religious observance, you should e-mail me at least 48 hours before that class so that proper accommodations could be made. If this is an exam day, we will schedule a make-up exam when it is convenient to you, and if an assignment is due, the due date will be extended, and I will tell you when the new due date is.

### 4.3 Brooklyn College Policy on Academic Integrity

The faculty and administration of Brooklyn College support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating and plagiarism and for avoiding both.

The complete text of the CUNY Academic Integrity Policy can be found at this site:

<https://www.cuny.edu/about/administration/offices/legal-affairs/policies-resources/academic-integrity-policy/>

If a faculty member suspects a violation of academic integrity and, upon investigation, confirms that violation, or if the student admits the violation, the faculty member **MUST** report the violation. Students should be aware that faculty may use plagiarism detection software.

**This means that if you cheat on a test or assignment, I MUST file a report which will initiate academic penalties. Additionally, the assignment in which you cheat will get an unfortunate score of 0.**

### 4.4 Brooklyn College Bereavement Policy

Students who experience the death of a loved one should refer to:

<https://www.brooklyn.edu/policies/bereavement/>

### 4.5 Brooklyn College Library

New student? Returning to campus? Looking for materials for your class or research? Check out the plethora of resources that the Brooklyn College Library is providing to you:

<https://library.brooklyn.cuny.edu/resources/>

You will certainly find something useful there!

## 4.6 More Information: Bulletin

For more information about the policies of Brooklyn College and other essential information, please refer to the Bulletin, which you can find on the following web-page:

<https://www.brooklyn.edu/registrar/bulletins/>

## 5 Important Dates

**January 25 (Sa):** Start of Spring 2025 Term

**January 27 (Mo):** First lecture of CISC 3350, section MW2

**January 29 (We):** Lunar New Year: No classes scheduled

**January 31 (Fr):** Registrar drops everyone waitlisted for Spring 2025 courses

**January 31 (Fr):** Last day to add a course

**February 12 (We):** Lincoln's Birthday: College Closed

**February 15 (Sa):** Grade of W is assigned for officially withdrawing from a course

**February 17 (Mo):** Presidents' Day: College Closed

**February 18 (Tu):** Conversion Day: Classes follow Monday schedule

**March 06 (Th):** Conversion Day: Classes follow Wednesday schedule

**March 31 (Mo):** No classes scheduled: **No CISC 3350, MW2 lecture!**

**April 01 (Tu):** Last day to withdraw from a course with a grade of W

**April 12 – 20 (Sa – Su):** Spring Recess: No classes scheduled

**May 15 (Th):** Last day of classes!

**May 16 – 22 (Fr – Th):** Week of Final Examinations for the Spring 2025 Term

Please refer to the Brooklyn College Academic Calendar for the Spring 2025 semester to view other important dates not mentioned above:

[https://www.brooklyn.edu/events/tag/Spring-2025-academic-calendar/list/?tribe\\_organizers%5B0%5D=8878](https://www.brooklyn.edu/events/tag/Spring-2025-academic-calendar/list/?tribe_organizers%5B0%5D=8878)

## 6 Schedule

Note that the schedule below is tentative; if changes are made, I will notify you and will post the updated syllabus/schedule on Blackboard.

**All assignments, excluding the exams, are due at 11:59 PM EST, on Blackboard.**

Week	Date	Topics, Exams, and Assignment Deadlines
1	01/27 (Mo)	<b>Welcome!</b> Syllabus Review
	01/29 (We)	No classes scheduled: <b>No CISC 3350, MW2 lecture!</b>
2	02/03 (Mo)	Topic 1: Intro to the Linux/UNIX OS Programming
	02/05 (We)	Topic 1: Intro to the Linux/UNIX OS Programming – Cont'

Week	Date	Topics, Exams, and Assignment Deadlines
3	02/10 (Mo)	Topic 2: Useful Linux Commands and Text Editors
	02/12 (We)	College Closed: <b>No CISC 3350, MW2 lecture!</b>
4	02/17 (Mo)	College Closed: <b>No CISC 3350, MW2 lecture!</b>
	02/18 (Tu)	Conversion Day: <b>We have a lecture today!</b> Topic 2: Useful Linux Commands and Text Editors – Cont’
5	02/19 (We)	Topic 3: Review of the C Language
6	02/24 (Mo)	Topic 3: Review of the C Language – Cont’
	02/26 (We)	Topic 4: File I/O • Homework 1 on Topics 1 & 2: Using Linux due
7	03/03 (Mo)	Topic 4: File I/O – Cont’
	03/05 (We)	Topic 5: Buffered File I/O
	03/06 (Th)	Conversion Day: <b>We have a lecture today!</b> Topic 5: Buffered File I/O – Cont’
8	03/10 (Mo)	Topic 6: Vectored I/O & Memory-Mapping
	03/12 (We)	Topic 7: Processes • Homework 2 on Topic 3: Basic C Programming due
9	03/17 (Mo)	Topic 7: Processes – Cont’
	03/19 (We)	Topic 7: Processes – Cont’
10	03/24 (Mo)	Topic 8: Threads
	03/26 (We)	Topic 8: Threads – Cont’ • Homework 3 on Topic 4: File I/O due
11	03/31 (Mo)	No classes scheduled: <b>No CISC 3350, MW2 lecture!</b>
	04/02 (We)	<b>Midterm Exam: 02:15 PM – 03:30 PM, at the West End Building (WEB), 1st floor, computers M123 – M187</b>
12	04/07 (Mo)	Topic 8: Threads – Cont’
	04/09 (We)	Topic 9: CPU Scheduling
13	04/14 (Mo)	No classes scheduled: <b>No CISC 3350, MW2 lecture!</b>
	04/16 (We)	No classes scheduled: <b>No CISC 3350, MW2 lecture!</b>
14	04/21 (Mo)	Topic 9: CPU Scheduling – Cont’
	04/23 (We)	Topic 9: CPU Scheduling – Cont’
15	04/28 (Mo)	Topic 10: Signals
	04/30 (We)	Topic 10: Signals – Cont’ • Homework 4 on Topic 7: Processes due

Week	Date	Topics, Exams, and Assignment Deadlines
16	05/05 (Mo)	Topic 11: Memory Management
	05/07 (We)	Topic 12: File and Directory Management • Homework 5 on Topic 8: Threads (easy, ‘fill-in-the-blank’ tasks) due
17	05/12 (Mo)	Topic 12: File and Directory Management – Cont’
	05/14 (We)	Topic 12: File and Directory Management – Cont’ • Homework 6 on Topic 10: Signals (easy, ‘fill-in-the-blank’ tasks) due • Final Exam Preparation/Review
Finals	05/19 (Mo)	<b>Final Exam: 01:00 PM – 03:00 PM, at the West End Building (WEB), 1st floor, computers M123 – M187</b>

– End of CISC 3350 Abridged Syllabus –