**CENTRAL NEW MEXICO COMMUNITY COLLEGE**

SCHOOL OF BUSINESS & INFORMATION TECHNOLOGY (BIT)

COURSE SYLLABUS Spring 2021  
January 11, 2021 – April 25, 2021

**COURSE ID-NUMBER:** CSCI 2251 **COURSE TITLE:** Intermediate Comp Programming

**COURSE SECTION** **#:** R01 **COURSE** **CRN#:** 83046

**CLASS TIME:** Tue, Thur 9:30-11:15 am **CLASS LOCATION:** Online WebEx

https://cnm.webex.com/cnm/j.php?MTID=m13d115d3d1224afaba801db5495040db

Meeting number: 177 280 0801

Password: pwBmpJYM833

**COURSE CREDITS:** 4

**PRE-REQUISITE:** CSCI 1151 or CSCI 1152

**INSTRUCTOR:** Neal Holtschulte

**TELEPHONE:** Not Available

**E-MAIL:** nholtschulte@cnm.edu

**OFFICE LOCATION:** Online – Webex. NOTE that this is different from the class meeting.

https://cnm.webex.com/meet/nholtschulte

Or meeting number: 133 615 6819

**OFFICE HOURS:** Monday 1:30 – 3:00

Wednesday 1:30 – 3:00

Sunday 1:30 – 3:30

**Note: You need to put CSCI 2251 and your name in the subject line when sending e-mail to me.**

# Texts & Supplies

**Required text:** Java How to Program, Late Objects Version, Eleven Edition, Paul Deitel & Harvey Deitel, Pearson, 2018, ISBN-13: 978-0-13-479140-1, ISBN-10: 0-13-479140-1

**Supplies:** Flash memory device

# Course Description

Introduces the method underlying modern program development with object-oriented approaches. Topics included are object-oriented design and implementation, concurrent processing, networking, and software system integration.

# Student Learning Outcomes

Students completing this course should be able to:

1. demonstrate knowledge of classes and objects.
2. apply object-oriented programming to solve problems
3. create and implement objects, and extend objects to solve problems.
4. apply Object-oriented approach to SDLC
5. understand the large software development life cycle
6. be familiar with both front-end and back-end systems of an application.
7. be able to write API
8. be able to solve cross network and cross platform problems
9. write interfaces to a database

# Attendance/Tardy/Withdrawal/Drop Policies

Students enrolled for credit or audit are expected to attend all class sessions. Instructors will take attendance. To avoid interrupting or distracting the class, students are expected to be prompt for each class.  Class will begin promptly at the time scheduled.

In order to provide the best educational experience, this course includes virtual classroom sessions that will be recorded in a virtual classroom. Recordings of sessions may be shared with other CNM students through our learning management system (CNM Learn). The fact that you are attending this class may possibly become known to a small number of students enrolled in another CNM class. If you wish to remain anonymous to students outside of your class, you may opt-out of attending the live sessions. Please contact your instructor immediately to discuss your options.

Classes will consist of live lecture/discussion/demo during the advertised class time before CNM went online. Each class session will be recorded and the recording will be made available through a link I will post on Brightspace in our class shell. Students enrolled for credit or audit are expected to attend all class sessions.

* A student’s attendance will be tracked by their participation in the class.  That means either:
  + Attending the live lecture
  + Viewing the recording
  + Uploading the completed demo
  + Attending office hours

Students who do not participate, as outlined above, will have points deducted from their participation grade that may affect the final grade for the course.

The online lecture will be via WebEx. Class will begin at the time scheduled.

Absences do not relieve students of the responsibility for missed assignments and exams. A student with excessive absences may be dropped from a course.

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* Students whose participation indicates that they are not participating as described above or participating may be dropped from the course.
* Students who miss the first class meeting and have not contacted the instructor may be dropped from the course.

Students dropped from a course for non-attendance will be notified at their CNM e-mail address and will also be dropped from co-requisite courses. If the student disagrees with the action, he or she must contact the instructor within **two working days** of receipt of the notification. A student should not assume he/she will be dropped automatically. It is their responsibility to drop/withdraw from the course in order to avoid a grade of “F.”

Students **auditing** a class must meet course prerequisites, are expected to attend all class sessions, but are not required to complete assignments.  Audit Courses are not eligible for Financial Aid. Audit students are required to notify the instructor of their AUDIT status to avoid being dropped. To change your grade mode visit [Academic Records](https://www.cnm.edu/student-resources/academic-records/academic-records-list/grade-mode). URL Address: <https://www.cnm.edu/student-resources/academic-records/academic-records-list/grade-mode>

If the CNM District is impacted by snow or other weather that can make travel dangerous, the most efficient ways to receive information on whether the college is closed or delayed is the "**AttentionCNM**" emergency text messaging system, the weather line at 224-4SNO (4766) and the CNM website.

Important dates, deadlines and the last day to drop this course can be found [here](https://www.cnm.edu/student-resources/class-schedule/important-dates-and-deadlines). URL Address: <https://www.cnm.edu/student-resources/class-schedule/important-dates-and-deadlines>

# Grading

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| The following will be used to determine your grade in this course: | |  |  | The following scale is used to assign course grades: | |
| **Points / Percent** |  |  |  | **Grade Scale** | **Grade** |
| **Assessments** | 15% |  |  | **91-100** | **A** |
| **Programming** | 20% |  |  | **81-90** | **B** |
| **Exam #1** | 10% |  |  | **71-80** | **C** |
| **Exam #2** | 10% |  |  | **61-70** | **D** |
| **Project** | 25% |  |  | **Below 61** | **F** |
| **Final Exam** | 20% |  |  |  |  |
| **Total** | **100** |  |  |

**Note:** A final grade of “D” or “F” is not acceptable for this course if it is required for graduation or as a prerequisite for other courses. A final grade of “D” or “F” requires repeating this course.

# Late/Make-up/Re-take Policies

1. **To receive FULL credit for an assigned word, it must be submitted to the Blackboard ON or BEFORE the day/time it is due.** If you need help with an assignment, you can ask your instructor in class discussion session, or send an email with clear description of your question.
2. **Exams:** There will be two semester exams and a cumulative final exam. **All students must receive at least 50% on the final exam in order to pass the course.** Exams will occur on the date indicated on the syllabus. Attendance at exams is mandatory without prior approval of the instructor.

**Project:** Team project, students need to form their own team and a team is composed by 2 to 3 students. The evaluation criteria of team project will be posted under the Project in the Course Content.

**Late Assignments**

* Each student gets 3 "Late Passes" that can be used if an assignment must be turned in after the due date. You MUST state in an email that you intend to use a late pass. I will not make that assumption. Otherwise, late assignments, if turned in, receive an immediate 50% deduction and may not receive feedback. Any unused "Late Passes" are worth 5 points each of extra credit in the “Programming Homework” category at the end of the semester.
* Partially completed homework or a program that does not compile or crashes when run is not acceptable and will receive a zero. If you have a problem with the program, ask for help before it is due.

# Course Codes & Policies

## Course Communication

All official email communication to students, originating from CNM, will be sent to a student’s assigned CNM email account in MyCNM or within CNM Learn. By becoming a student at CNM, students agree to follow the CNM technology use policies.

## Faculty Feedback

The Faculty feedback system allows your instructor to securely provide feedback on your performance in this course. If your instructor uses it, you may be contacted by a CNM Academic/Achievement Coach to follow up on the feedback. You can read more about the system at [Faculty Feedback](https://www.cnm.edu/depts/academic-affairs/documents/facultyfeedbackstudentinformation.pdf). URL Address:

<https://www.cnm.edu/depts/academic-affairs/documents/facultyfeedbackstudentinformation.pdf>

## Student Behavior and Academic Dishonesty

As a member of this classroom, students are expected to behave in a professional and honest manner. Students are responsible for understanding and adhering to the CNM codes and policies that govern and prescribe acceptable student behavior and [academic dishonesty](https://www.cnm.edu/depts/dean-of-students/academic-integrity-policy) URL Address: <https://www.cnm.edu/depts/dean-of-students/academic-integrity-policy>. The codes and policies of this course are governed by the[Student Code of Conduct](http://www.cnm.edu/depts/dean-of-students/student-code-of-conduct) URL Address: <http://www.cnm.edu/depts/dean-of-students/student-code-of-conduct>. If a student demonstrates behavior that is a violation of the Code of Conduct, the incident will be reported to the [Dean of Students](http://www.cnm.edu/depts/dean-of-students) URL Address: <http://www.cnm.edu/depts/dean-of-students> for further disciplinary action.

As a member of this classroom, students are expected to behave in a professional manner. A professional manner means:

1. Be on time for class
2. Get your work turned in on time.
3. It is understandable that you may get frustrated during the semester. Programming can be bewildering, but do not use bad language in class.
4. Do not come to class under the influence of alcohol or illegal substances.
5. Be courteous to your fellow students and to your instructor.

**Distance Learning Netiquette Policy**

How we communicate with each other is very important in this course. The Netiquette rules described below are to be followed to provide a supportive learning environment. All students are expected to:

* Show respect for the instructor and for other students in the class
* Respect the privacy of other students
* Express differences of opinion in a polite and rational way
* Maintain an environment of constructive criticism when commenting on the work of other students
* Avoid bringing up irrelevant topics when involved in group discussions or other collaborative activities
* Use plain text when creating an e-mail or Discussion board message

If the instructor feels that a student is violating any of the above guidelines, the student will be contacted to discuss the situation in person. If you, as a student, feel that another student is behaving inappropriately, please send a private e-mail message to your instructor explaining the situation as soon as possible.

**E-Mail Etiquette Policy:**

* Always include your full name and section number in the e-mail
* Make the subject line meaningful. For example, Word Assignment Chapter 3 question
* Use correct grammar and spelling
* Don’t type your message in all-uppercase
* Use words instead of abbreviations
* Avoid public “flames” – messages sent in anger
* Type your reply at the top of the e-mail

Above all else, remember that electronic mail is about communication with other people. When you compose an e-mail message, read it over before sending it and ask yourself what your reaction would be if you received it. Any time spent on making our e-mail clearer is time well-spent, so take the time to do it well.

**Academic Dishonesty**

Students in this course and in all college classes are expected to complete their course work in accordance with a high level of honesty and integrity. Academic dishonesty on the part of a student, such as cheating on a test or aiding other students’ cheating, plagiarism, falsification, fabrication, unauthorized collaboration, or submitting a piece of work from another course for credit, will be subject to academic sanctions.

I follow the policy as stated in the current Catalog. I encourage students to study together and help one another, but *each* student must create and submit his or her own *unique* and *original* computer assignments. Sharing an assignment, working together on one computer, duplicating another person’s assignment, putting your name on another person’s assignment, submitting another person’s work as your own is unacceptable and will result in a grade of 0 on that assignment for both of you. I may also re-grade any or all assignments previously submitted.

 **Do not lend or share your assignments or flash drive with anyone!**

 **Do not put your name on anyone else’s work.**

Students committing these offenses are subject to penalty ranging from a “0” on the assignment or test, to an “F” for the course.

## Emergency Procedures

An emergency is any state requiring immediate action to prevent dire consequences, usually immediate threat to life, limb or property. To report an emergency, call 911 from any CNM phone. If a CNM phone is not available, call 224-3001 from a cell or pay phone, or see the [emergency procedures site](https://www.cnm.edu/depts/security/emergency-procedures). URL Address: <https://www.cnm.edu/depts/security/emergency-procedures>

## Electronic Devices in Class

Electronic devices are only allowed for educational purposes as deemed appropriate by your instructor.

## Smoke Free Campus

The use of tobacco products, including the use of chewing tobacco and e-cigarettes, is limited to the designated smoking areas and banned from all other areas.

## PaperCut

[Papercut](https://www.cnm.edu/depts/academic-affairs/papercut) URL Address: <https://www.cnm.edu/depts/academic-affairs/papercut> is part of the college’s sustainability efforts and provides students with a printing allowance.

# Student Resources/Advisement/Graduation

## Student Services and Online Learning

CNM is here to ensure your education will continue online during the COVID-19 outbreak. Live support, resources and departmental contact information is provided.

For more information and resources: <https://www.cnm.edu/covid-19/student-resources>

## CNM Information Technology Services (ITS)

For technical support on all CNM computers, printers, email, passwords, networks, myCNM, you may contact ITS at 224-HELP or ITS Service Desk [itsservicedesk@cnm.edu]. For all inquiries regarding CNM Learn, contact [Embanet](https://embanet.frontlinesvc.com/app/home/p/67) URL Address: <https://embanet.frontlinesvc.com/app/home/p/67>, the 24/7 assistance and support center.

## Accessibility and Accommodations for Students with Disabilities

CNM is committed to accessible learning environments that meet the needs of its diverse students. If you anticipate or experience any barriers to learning, discuss your concerns with the instructor or the Disability Resource Center (DRC) as soon as possible. The DRC supports faculty in designing accessible learning environments and assists students who have disabilities with accommodations to remove barriers where they exist. Students with disabilities are invited to get started with the DRC by filling out the [“First Time Request for Disability Services”](https://cnm-accommodate.symplicity.com/public_accommodation/) on the website ([www.cnm.edu/drc](http://www.cnm.edu/drc)) or by contacting the DRC for more information (505.224.3259, [DRC@cnm.edu](mailto:DRC@cnm.edu)).

## Veteran Services

We appreciate the services provided by our Armed Forces and want to make sure eligible students are aware of their benefits and the services that are available. Information about these benefits and services can be accessed at [the veterans site](https://www.cnm.edu/student-resources/veterans/veterans-resource-center) URL Address: <https://www.cnm.edu/student-resources/veterans/veterans-resource-center> or students can swing by the VA Certifiers office located on the main campus inside the financial aid office. As we continue with modified operations, visit the [COVID-19 Information Hub](https://www.cnm.edu/covid-19) to find the latest updates for all CNM students.

## Assistance Centers forEducation (ACE)

Tutoring from CNM's Assistance Centers for Education (ACE) is available online during CNM's modified operations. Contact [ACE](http://www.cnm.edu/depts/tutoring) URL Address: <http://www.cnm.edu/depts/tutoring> for more information.

Microsoft Teams groups have been created by ACE to help assist students with virtual help in specialized BIT computer classes.

**Virtual Open Computer Lab:** [SB OCL Tutoring](https://teams.microsoft.com/l/team/19%3a2a6e66edfe744c24a8fcb68fe5a2675b%40thread.tacv2/conversations?groupId=7f40ab50-e318-4a38-9f13-f5206a83efe1&tenantId=f50e076b-86a5-45f3-87b0-3f4d0ec5e94e) chat

**Monday through Thursday:** 8:00 a.m. – 7:30 p.m.

**Friday:** 8:00 a.m. – 5:00 p.m.

**ACE support for the CIS courses.** This email is geared for Programming, Database, Computer Science, Networking/CISCO, Systems Administration, Linux, and Network Security/Ethical Hacking tutoring and Instructional Support. We are working and available for help. We have two Skype Rooms open and they will allow for guest login's.

Of course these Skype rooms are available for more than just specialized support, we also will provide any generalized support as well. They are heavily monitored and we have many competent individuals who are willing to help.

**Programming students have tutors available online who are TeleWorking for the Smith Brasher Open Computer Lab – SB110.**

**Support Hours:**

Monday - Thursday 8:00am-7:30pm, Friday 8:00am-5:00pm

**Support Rooms:**

[Programming and Various Support:](https://join.skype.com/NqizShcJv4x0) <https://join.skype.com/NqizShcJv4x0>  
[CISCO/Networking Support:](https://join.skype.com/TmQ38krUYHYq) <https://join.skype.com/TmQ38krUYHYq>

**Additional Contact Info:**

VONLOH, JASON [<jvonloh@cnm.edu>](mailto:jvonloh@cnm.edu) work phone 224-3840  
WILLIAMS, JESS [<jwilliams110@cnm.edu>](mailto:jwilliams110@cnm.edu) work phone 224-3830

**Supervisor Info:**

EMERSON, STEVE [<semerson@cnm.edu>](mailto:semerson@cnm.edu)

Skype will allow guest accounts so the students/faculty are not required to register. The support links above simply need to be pasted into the browser tab. However, we can connect in other ways as well if needed. If anybody has any trouble connecting with us, please try the email, work phone, or Supervisor.

## BIT Advisor

The School of Business & Information Technology (BIT) school advisor is available to all BIT students (505-224-3811). The BIT advisor specializes in the programs offered through BIT and is available to assist you in planning your schedule, evaluating your program of studies and completing graduation audits/checklists. It is highly recommended that students meet with the BIT advisor at least once a year to discuss your program of study and develop a degree plan. More information can be found [by reviewing the BIT programs of study](http://www.cnm.edu/programs-of-study/business-information-technology) URL Address: <http://www.cnm.edu/programs-of-study/business-information-technology>

**BIT Academic Advisor:** DuJuan McCoy

dmccoy12@cnm.edu

505.224.3000 (Ext. 53198)

## BIT Achievement Coach

The Achievement Coach (505-224-3811) is available to all BIT students. The [Achievement Coach](https://www.cnm.edu/programs-of-study/business-information-technology/services-and-resources#Achievement Coach) URL Address: <https://www.cnm.edu/programs-of-study/business-information-technology/services-and-resources#Achievement Coach> provides students with campus and community support, and with balancing school, family, and work schedules. They are available to coach students on time management and test taking strategies. They can be contacted about any life changes or challenges that are getting in the way of student success.

**BIT Achievement Coach:** Yvonne Salazar

yarroyos@cnm.edu

505.224.3000 (Ext. 53444)

## Graduation

**Commit to graduate! Graduating with an associate’s degree or certificate will make you more employable and will increase your earning potential for a lifetime.** Getting your degree or certificate is your reward for the hard work and dedication you put into your studies at CNM. Prepare for your [graduation](https://www.cnm.edu/depts/graduation/prepare-for-graduation) today! URL Address: <https://www.cnm.edu/depts/graduation/prepare-for-graduation>

# Course Evaluations

Students are expected to complete their course evaluations by the due date stated in the course evaluation notification email. Students can obtain access to their course evaluations through the email notification link or through the Course Evaluations link under the Students Tab in myCNM.

# Tentative Class Schedule

## Syllabus & Class Schedule

The syllabus and class schedule are subject to change by the instructor. Changes will be made with as much advance notice as possible.

**CSCI 2251 – Intermediate Computer Programming**

**Tentative Class Schedule**

| **WEEK** | **DATE** | **Chapter/Section** | **Assignments** | **Topic – Read Material before class** |
| --- | --- | --- | --- | --- |
| 1 | week of 01/11 | Overview and Introduction  Chapter 7 | Assessment 0, 1 out  Assessment 0 due | Classes and Objects, Part I |
| 2 | Week of 01/18 | Chapter 8 | Assessment 2 out  Assessment 1 due | Classes and Objects, Part II |
| 3 | Week of 01/25 | Chapter 9 | Lab 1 out  Assessment 3 out  Assessment 2 due | Inheritance |
| 4 | Week of 02/01 | Chapter 10 | Assessment 4 out  Assessment 3 due  Lab 1 due | Polymorphism |
| 5 | **Week of 02/08** | Supplemental  Chapter 12 | Lab 2 out  Assessment 4 due | Software Development  Java FX GUI, Part I |
| 6 | Week of 02/15 | **02/16 Exam 1**  Chapter 12 | Assessment 5 out  Lab 3 out  Lab 2 due | **In Class Exam 1 (Chapters 7, 8, 9, 10)**  Java FX GUI, Part I |
| 7 | Week of 02/22 | Chapter 23 | Project Out  Assessment 6 out  Assessment 5 due | Concurrency |
| 8 | Week of 03/01 | Chapter 23  Chapter 28 | Assessment 7 out  Lab 4 out  Assessment 6 due | Concurrency  Networking |
| 9 | Week of 03/08 | Chapter 28 | Assessment 8 out  Lab 3 due  Assessment 7 due | Networking |
| 10 | **Week of 03/15** | Chapter 24 | Project proposal draft due  Assessment 8 due | Accessing Database with JDBC |
| 11 | Week of 03/22 | **03/23 Exam 2**  Chapter 24 | Assignment 9 out  Lab 4 due | **In Class Exam 2 (Chapter 12, 23, 28, partial 24)**  Accessing Database with JDBC |
| 12 | Week of 03/29 | Chapter 24  Chapter 13 | Project proposal due  Assessment 9 due | Accessing Database with JDBC  Java FX GUI, Part II |
| 13 | Week of 04/05 | Chapter 13 | Assessment 10 out\* | Java FX GUI, Part II  Project Discussion |
| 14 | Week of 04/12 | Supplemental | Assessment 10 due\* | Project Discussion  Project Presentation |
| 15 | **Week of 04/19** | Supplemental | Project due (04/20)  **04/22 Final exam** | Project Presentation (cont, if needed)  **In-Class Final Exam** |

**Note: The project is due at the end of 04/20/2021.**

**\*assignment 10 may not be required**