

CENTRAL NEW MEXICO COMMUNITY COLLEGE
SCHOOL OF BUSINESS & INFORMATION TECHNOLOGY (BIT)
COURSE SYLLABUS [Summer, 2020]
05/18/2020 – 08/09/2020

COURSE TITLE: Intermediate Computer Programming
COURSE, SECTION NUMBER: CSCI 2251, Section 101
COURSE CRN#: 91784
CLASS TIME: Online in Collaborate Ultra within the course
CLASS LOCATION: On-Line
COURSE CREDITS: 4
PRE-REQUISITE: CSCI 1152 or CSCI 1151
INSTRUCTOR: Dr. Chu Jong
TELEPHONE: On-Line
E-MAIL: Please email through the Messages Course Tool in CNM Learn.
OFFICE LOCATION: On-Line
OFFICE HOURS: (T) 10:00 – 11:00; (Th) 14:00 – 15:00

OTHER ELECTRONIC AVAILABILITIES (optional): TBD

Note: If CNM Learn is down you may send e-mail to my CNM account at cjong@cnm.edu. You need to put CSCI 2251, Sec 101 and your name in the subject line when sending e-mail to my CNM account, otherwise, your e-mail will be ignored.
Content subject to change – please refer to the posting on Blackboard for updates

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

Supplement Materials: Will be posted on the Blackboard

Supplies: Flash memory device at least 8 GB storage space.

Course Description

Catalogue Description: Introduces the method underlying modern program with object-oriented approaches to design and implementation application software. Topics include are use of objects in standard libraries, object-oriented programming, design, and implementations; software engineering; concurrent processing inter/intra process communications; networking, and front-end and back-end software integration.

Student Learning Outcomes

Students completing this course should be able to:

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

Attendance/Tardy/Withdrawal/Drop Policies

- The particular hour and day you “attend” aren’t important, but you must show participation regularly and while logged on, e.g., posting on the discussion boards, making submissions,

reading announcements, reading and responding to course messages, and completing other course work.

- Students enrolled for credit, credit/no credit, or audit are expected to complete all submissions on a regular basis according to deadlines.
- Technical issues do not relieve students of the responsibility for missed submissions. Students must take the initiative in arranging with their instructor to make up missed work due to technical issues.
- Students must actively participate during the first week of class through responses and completing submissions. A student who does not complete the submissions for Week 1 and has not contacted the instructor may be dropped from the course.
- A student with excessive missed submissions may be dropped from the course. Missing two or more learning modules in a twelve term constitutes excessive.
- Students dropped from a course for non-attendance will also be dropped from co-requisite courses. However, a student should not assume he/she will be dropped automatically.
- A student who is dropped by an instructor for nonattendance is notified at their CNM e-mail address. The instructor's decision is final, but 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."

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:

Points / Percent

Assessments	10%
Programming	20%
Participation	5%
Exam #1	10%
Exam #2	10%
Project	25%
Final Exam	20%
Total	100

The following scale is used to assign course grades:

Grade Scale

Grade

91-100	A
81-90	B
71-80	C
61-70	D
Below 61	F

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

- A. To receive FULL credit for an assigned word, it must be submitted to the Blackboard ON or BEFORE the day/time it is due. **No late assigned work will be accepted.** 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.
- B. Evaluation: Grades will be based on assigned assessments, programming assignments, participation, project, and exam #1, exam #2, and the final Exam.
- Assessments programming, and project:** They are posted on the Blackboard, including due days and/or descriptions.
- 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.

Course Codes & Policies

Course Communication

Please email through the Messages Course Tool in CNM Learn. If CNM Learn is down please email me at: cjong@cnm.edu. By becoming a student at CNM, students agree to follow the CNM technology use policies.

Student Behavior and Academic Dishonesty

Academic Integrity requires that students conduct themselves with honesty and integrity. Any behavior on the part of a student that results in that student's or any other students' giving or receiving unauthorized assistance in an academic exercise or receiving credit for work which is not their own. Such acts include, but are not limited to cheating, plagiarism, and falsification/fabrication, unauthorized collaboration, facilitating academic dishonesty, academic sanction, and disciplinary sanction. The full text of the policy can be found online.

Several of the submissions for this course will use SafeAssign, a plagiarism prevention service, offered by Blackboard (CNM Learn). Students will have access to their SafeAssign report which is designed to help students with plagiarism and the importance of proper attribution of any content. For additional information on institutional policies regarding plagiarism and academic honesty go to: http://www.cnm.edu/depts/pio/pubs/PDFs/CNM_StudentPlanr06-07.pdf or the CNM catalogue.

Other Class Policy

Active Participation Policy: Weekly course participation is expected of all students. Students are required to regularly correspond with the instructor and peers within the course. This will enable us to learn and interact with each other, as a community of learners. **Attendance is counted as the number of times you engage in the course content, which may include making a submission and accessing resources, but not necessarily the number of times you login to the course.**

Student Resources/Advisement/Graduation

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](http://embanet.frontlinesvc.com/app/home/p/67) URL Address: <https://embanet.frontlinesvc.com/app/home/p/67>, the 24/7 assistance and support center.

Disability Resources

Students with disabilities, including dual enrollment and high school age students, are encouraged to contact the [Disability Resource Center](http://www.cnm.edu/depts/disability-resource-center) URL Address: <http://www.cnm.edu/depts/disability-resource-center> to arrange for academic adjustments, including auxiliary aids, i.e., accommodations.

Main or Westside Campus 224-3259, e-mail: disability_resource_center@cnm.edu;
Montoya Campus 224-5946, e-mail: disability_resource_center_jmmc@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](http://www.cnm.edu/student-resources/veterans/veterans-resource-center) URL Address: [https://www.cnm.edu/student-resources/veterans/veterans-resource-center](http://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.

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>

Computer Requirements:

Firefox and Chrome:

Blackboard works best when you use Firefox or Chrome as your internet browser. Both should be available on all CNM campus computers but you may have to click the Start Button > All Programs to locate them.

At home, you can download Firefox for free by visiting Firefox Download. <http://www.mozilla.org/en-US/firefox/fx/?from=sfx&uid=290713&t=478>

At home, you can download Chrome for free by visiting Chrome Download. <https://www.google.com/chrome>
It is highly recommended that you use Firefox or Chrome when completing making submissions in this course!

Browser Check:

You may also find it helpful to perform a browser check at the beginning of this course to ensure your system meets Blackboard's requirements. Embanet, our free 24/7 help desk for Blackboard, has designed a great Browser Check that is available at Embanet <https://supportcenter.embanet.com/cnm>

Free Microsoft Office 365:

Students and staff with @cnm.edu e-mail addresses can now obtain free licenses of Microsoft Office 365 as part of Central New Mexico Community College's agreement with Microsoft.

Our agreement allows students and staff to install **Word, Excel, PowerPoint, Outlook, OneNote, Publisher, and Access** on up to 5 PCs or Macs and Office apps on other mobile devices including Windows tablets and iPads®. The plan also **includes 1TB of OneDrive storage**, managed by Central New Mexico Community College. More information is available on the CNM website at Free Microsoft Office 365 <https://www.cnm.edu/depts/its/office-365-and-one-drive-requests/free-microsoft-office-365>.

Adobe Reader:

You will need Adobe Reader installed on your computer to download and read any PDFs in this course. This is a free program that can be downloaded here: Get Adobe Reader get.adobe.com/reader/

Adobe Flash:

You may need Adobe Flash installed on your computer to watch certain videos. This is a free program that can be downloaded here: Get Adobe Flash player get.adobe.com/flashplayer/

Java JDK SE 8:

Please refer to the JAVA SE 8 JDK and Notepad++ Installation in the Supplemental Materials

Notepad++:

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CSCI 2251 Section 101 – Intermediate Computer Programming

Tentative Class Schedule

WEEK	DATE	Materials	Assignments	Topic – Read Material <u>before</u> class
1	Week of 05/18	Overview and Introduction Chapter 7	Assessment 00 due	Classes and Objects, Part I
2	Week of 05/25	Chapter 8 Chapter 9	Assessment 01 due	Classes and Objects, Part II Inheritance
3	Week of 06/01	Chapter 9 Chapter 10	Lab 1 Due Assessment 02 due	Inheritance Polymorphism
4	Week of 06/08	Chapter 10	Assessment 03 due	Polymorphism Exam 1, 06/11/2020, 60 minutes, (Chapters 7, 8, 9, 10)
5	Week of 06/15	Supplemental Chapter 26	Lab 2 due Assessment 04 due	Software Development Swing GUI Components
6	Week of 06/22	Chapter 23	Project Out Assessment 05 due	Concurrency
7	Week of 06/29	Chapter 23 Chapter 28	Lab 3 due Assessment 06 due Project proposal draft due	Networking
8	Week of 07/06	Chapter 28 Chapter 24	Assessment 07 due	Accessing Database with JDBC Exam 2, 07/08/2020, 60 minutes, (Chapter 26, 23, 28, partial 24)
9	Week of 07/13	Chapter 24	Assessment 08 due Project proposal due Lab 4 due	Accessing Database with JDBC
10	Week of 07/20	Chapter 12	Assessment 09 due	Java FX GUI, Part I Project Discussion
11	Week of 07/27		Project Briefing due	Project Briefing Project Discussion
12	Week of 08/03		Project due	Project Presentation Final Exam, 08/05/2020 Wednesday Project due, 08/06/2020

Note: Assignments and Labs are due the end of the day of Thursdays, the project due at the end of 08/06/2020. Due days are deadlines for you to submit your work, you should complete and submit your work prior to the due days.