CS-2163-EC02S JAVA SYLLABUS

**Monday and Wednesday 11am~1:45pm; library room 121; Spring 2020**

**Instructor Information:**

|  |  |
| --- | --- |
| **Name:** | Haining Chen |
| **Phone:** | (405) 682.1611 ext 7361 |
| **Email:** | School **email** is required. My email is [haining.chen@occc.edu](mailto:haining.chen@occc.edu) , and student’s school email has the form of [firstName.m.lastName@my.occc.edu](mailto:firstName.m.lastName@my.occc.edu). Email sent to instructor should have the following information in the title: student name, section information (such as: **John Doe CS-2163-EC02S**). The “Quick Mail” function in Moodle can only send email to instructor. To receive and reply email, student needs to use his/her school email mentioned above. |

**Office Location:** Library Room 308

**Office Hours:**

| Monday | 9am ~ 11am |
| --- | --- |
| Tuesday | 9am ~ 12:30pm; 8pm~8:30pm |
| Wednesday | 9am ~ 11am |
| Thursday | 9am ~ 11am |
| Online office hour | Monday 5:30pm ~ 7:30pm |
| I am in my office during office hours. I am NOT in my office during online office hours but I am online checking and replying email. For emails sent to me during time slots other than online office hours, emails are normally answered within 24 hours. However, I do not guarantee responses to email at weekends or holidays until workday resumes. | |

## Course Prerequisite

CS1143 Beginning Programming with a grade of C or above; otherwise needs to have permission from instructor to enroll.

**Textbook:**

***Introduction to Programming with Greenfoot: Object-Oriented Programming in Java with Games and Simulations***, 2nd Edition. ISBN: 9780134054292. Author: Michael Kölling. Published by Pearson in March 2016. This textbook is required.

**Materials:**

Java SE 13: download **JDK 13** from Oracle’s official release link

Greenfoot IDE: downloaded from <http://www.greenfoot.org/download>

Software IDE (Integrated Development Environment): **Eclipse for Java**

Unified Model Language editor: **Visual Paradigm Community Edition for UML**.

All the above three software are available for download for free from Internet.

On-campus students: suggested storage device (USB) for saving in-class files

[**C**](http://www.microsoft.com/visualstudio/eng/products/visual-studio-professional-2012%23product-edition-professional)**ollege Resources:**

**(Note: The campus is closed on Sundays)**

**College Website:** <http://www.occc.edu/>

**Student Handbook:**<http://www.occc.edu/handbook/index.html>

**Student Computer Center:** <http://occc.edu/bit/scc.html> , **Library:** Room 322**(Valid Student ID required)**

**Testing Center:**<http://www.occc.edu/testing/index.html> *(Valid Student ID required)* Note : Must be in Test Center at least one hour before closing.

**Online Student Resources:** <http://www.occc.edu/onlineresources/index.html>

### [S](http://www.occc.edu/onlineresources/index.html)tudent Support Services <http://occc.edu/support/index.html>

Check out what services are available and contact Student Services at 405-682-7520

**Course Description:**

Student will develop object-oriented Java applications and applets, which demonstrate comprehension of fundamental programming structures, object-oriented programming, graphics, event handling, interface components, programming for the Internet, data structure, and exception handling.

**Course Competencies/ Objectives:**

Students who successfully complete the course will be able to:

* demonstrate the understanding of fundamental programming structures, such as sequential statement, conditional statement, and looping statement
* design, create and use method
* create and use one-dimensional array and two-dimensional array.
* sort and search array.
* design object-oriented programs by creating class which implement Object-Oriented principle: data abstraction, encapsulation, inheritance and polymorphism.
* manipulate String type object, including substring, copy, length.
* use object-oriented principles to create programming solutions for real-world problems.
* model professional job skills including attendance, promptness, meeting deadlines, handing in work according to job requirements and positive collaboration with other members of a programming team

## Assessment of Student Learning

Oklahoma City Community College is committed to providing quality educational experiences to all students and to strive for continuous improvement in its programs and services. Student learning assessment is vital to the educational process and can be of significant value to you and to the students who follow you as well as contribute to their education success.

To ensure that adequate assessment information is available to allow OCCC to continuously improve programs and services, students may be asked to participate in personal interviews; take program and/or general education assessments, which could be to take tests; give oral presentations, write assignments, take surveys, or engage in other activities. You may be asked to complete the assessments, tests, and other activities during a designated time, which may include class periods in a semester. These opportunities are your chance to help OCCC improve the courses, programs, and services which could affect you and will certainly impact students in the future.

## Class Requirements

This course will primarily consist of lectures. The on-campus class will be taught in a computer-equipped classroom. Online students are recommended to complete the work for each week as laid out in Moodle. Class material will be presented on-line. It is the student’s responsibility to check for new assignments, class announcements, due dates, etc. Completed work will be submitted on-line through MOODLE. Both campus and online students can have access to the Student Computer Center. It is the student's responsibility to arrange his/her schedule for completion of assignments. It is of utmost importance that students stay current and turn all work in on time.

Students will be given programming assignments which must be completed outside of class for on-campus sections. It is the student's responsibility to arrange his/her schedule for completion of these assignments. If you use the computers in the computer lab here at the College, you will need to check in at the lab using a current student ID card. If you use your home computer and at any time during the semester you experience computer problems which prevent you from completing assignments, it is your responsibility to locate a computer that you can use such as the lab computers.

You can use the on-campus computer lab located in the **Student Computer Center (Library 3rd Floor).** The computers with Java are located in the center and south end of the lab.

Hours of operation for **Student Computer Center (SCC)** is available at <http://www.occc.edu/bit/scc.html>

All close book exams will be taken in the **Testing Center** on the first floor of the main building.

Hours of operation for **Testing Center** is available at <http://www.occc.edu/testing/test-center-hours.html>

## Learning Support

Student success is a high priority in the BIT Division. In case the instructor feels that a student might benefit more with personalized learning, student names may be referred to Student support Services. More details can be found at <http://www.occc.edu/catalog/2018-2019/regulatory/services-for-students/learning-support.html>

## Class Policies

**(All classes)**

* The information on Moodle is meant for use only by students currently enrolled. Students may NOT give access to their accounts to individuals outside of this class. Failure to abide by this additional requirement could result in loss of your Moodle account, failure in the class, or other appropriate action.
* Students must abide by the College's [Information Technology Resources Acceptable Use Policy.](http://www.occc.edu/policy/pdf/3058.pdf)
* All emails and voicemails will be answered within 48 hours unless it’s the weekend or a holiday.

**(On Campus classes)**

* In respect for the instructor and fellow students, cell phones, pagers, etc. are to be turned off or placed on vibrate during the class. If there is an emergency requiring availability via a cell phone/pager, please let the instructor know at the beginning of that class period.
* Students may NOT surf the net, check email, text or engage in similar activities during class time. Not only does it affect the person doing it, but it is a potential distraction to others in the class.

**Email Address Request**

The college provides students with an email account. For more information <http://www.occc.edu/email>[/.](http://www.occc.edu/email/)

**Grading Criteria and Procedures**

This is the tentative grading scheme. They may be changed at the discretion of the instructor.

**Closed book exams: Test 1 and Test 2, each has 100pts**

**Chapter homework: 10 @ 20pts each for chapter 1 to 10**

**Outcome Assessment Quiz: 1 @ 20pts**

**Final project: 1 @ 50pts**

**Total points: 470 pts**

In addition, there is a bonus greeps project with 18 points, which locates in Moodle folder “chapter 9”. Other bonus assignments may be given at instructor’s discretion. The passing score for this course is C. The test questions of the two close book exams are constructed from homework assignments, textbook chapters, and Moodle lesson files.

A (4.0 Grade Point)

The sum of the test and assignment scores must be 90% or better of the total possible points; **Notice: if your score is 90% but you choose not to work on the final project, then your score will be downgraded to B. In other words, to get and grade of A, one has to work on the final project.**

B (3.0 Grade Point)

The sum of the test and assignment scores must be 80% or better of the total possible points

C (2.0 Grade Point)

The sum of the test and assignment scores must be between 70% and 79% of the total possible points

D (1.0 Grade Point)

The sum of the test and assignment scores must be between 60% and 69% of the total possible points. **The grade level of D does not satisfy Computer Science course prerequisites.**

F (0.0 Grade Point)

The sum of the test and assignment scores is below 60% of total possible points

## Issuance of Grades

Grades will be posted in MOODLE at [http://online.occc.edu/.](http://online.occc.edu/) Check the grades area after each assignment has been graded. Students have one week after the grades have been posted to challenge a grade. Failure to request the review in a timely manner or to provide requested information will result in the grade remaining as originally posted.

**Assistance with Assignments:**

In addition to my being available during office hours and via email, the Student Computer Center staff and tutors are also available for assistance. While some of the best learning takes place when we solve problems ourselves, please do not wait until it is too late. Ask for help when you need it. They will be happy to explain concepts and procedures.

A list of the full-time staff can be found at the following URL. Check with the Student Computer Center for details. Information can be accessed at:  [http://occc.edu/bit/scc.html](%20http://occc.edu/bit/scc.html%20)  For information about the office hour of Java tutors, please refer to “JavaLabTutorSchedule.docx” in Moodle folder “chap 1”.

**Homework Due Dates and late policy:**

It is the student's responsibility to determine that his/her program produces the correct output and meets grading standards prior to submitting the program for grading. It is also the student’s responsibility to make sure the program is virus free. If a program is received that has a virus on it, the student will receive a zero for that assignment.

From textbook chapter 1 to 10, each chapter has a chapter homework, which requires you to submit a programming assignment. We will skip chapter 12, because it requires hardware Xbox. For chapter 11 and 13, they will be covered in class, and their topics are helpful for the final group project, and there will be no homework assignment for chapter 11 and 13.

The source code of each chapter homework must be zip and then submitted electronically into Moodle’s corresponding homework drop box at each chapter. Only assignments in the zip file formats will be graded. A drop box will be found under each Moodle Lesson folder. The zip file name should start with your first name and last name, followed by Hw# indicating the number of homework. Capitalize the first letter of your first and last name plus the letter H. For example: **JohnDoeHw2.zip** would be the zip file submitted as John Doe’s Homework 2.

Program assignments will be graded based on sound logic, use of structure, adherence to conventions, adequate documentation, and correct output. A program that runs, but does not meet the above criteria will not receive full credit**. A Moodle submission that cannot be downloaded, or can be downloaded but does not have the required files will receive ZERO point.** **A program that does not compile will receive ZERO point. Given the correct input, a program that runs with exception(s) will receive ZERO point.** ONLY electronic submission is required. Ideally, all of your chapter homework will be handed in on time. Here is the late homework policy:

* There are **10 late days coupons** for late homework submissions in the entire semester. When a late chapter homework is received, the late day(s) of all previous submissions plus this late submission will be sum together, and if the sum of late days is no more than 10 days, no penalty will be applied; but if the sum of late days is more than 10 days, penalty will apply as described below:
* After exceeding the 10 late days coupon, and if a late submission is **within 2 weeks of the due day, the received credits will be deducted by half.** For example, for a homework of 20 points in total, 10 points will be removed if submitted within 2 weeks after the due day.
* If a late submission is received **2 weeks after the due day, the received credit will be ZERO.**
* The “2-week extension” mentioned above **CANNOT** exceed the Friday of the last week of the semester.
* Please be aware that: **the 10 late days coupon is for the entire semester**, so DO NOT misunderstand it as each homework can enjoy a 10 late day coupon without penalty.
* The 10 late days coupons can only be applied to the 10 homework assignments of the semester, and they cannot be applied to bonus assignments or final project, or any test study guide submission.
* I will start grading each homework after its due day.
* If you re-submit a homework after the due day and before I grade your homework, then the late day(s) will apply to this re-submission. Attention: **no re-submission of any homework is allowed after the homework has been graded.**
* If it is still before the due day, you can delete the current submission and submit a newer version without incurring any late days.
* It is not allowed to re-submitting a homework assignment after it has been graded. You cannot re-submit an already graded homework for the purpose improving your grade.

Moodle will still accept homework submission after the assignment due day, andthe **associated time tag will indicate whether or not it is a late submission.** If you wait until the very last minute to submit and there is a discrepancy between your clock and the Moodle server’s clock, the Moodle clock has the final say. Waiting until the last few minutes to submit is not a good idea!! If at any time during the semester you experience computer problems which prevent you from completing assignments on your home computer, it is your responsibility to locate a computer that you can use. Your computer being down is not an acceptable excuse for handing in work late.

**Testing Dates:**

You can see the testing due days by clicking its test study guide submission drop box in Moodle. There is a one-week window for taking each exam. Makeup exam is only permitted under extreme circumstances (such as having to fly away from OKC for military deployment, or unforeseeable medical conditions), and it has to be approved and arranged by the instructor **prior to** the due day. Relevant documents must be provided by students (such as notes from medical doctor) for the approval of makeup exams. Re-taking an exam to improve grade is not allowed.

## Academic Dishonesty

Cheating on programs will result in a grade of zero as well as forfeiture of any extra credit points earned throughout the entire semester for a first occurrence. All ten homework assignments are individual assignments, and **you cannot work on any homework assignment together with a classmate. Only the final project requires group work.** Cheating on tests or subsequent occurrences of cheating on programs will result in a grade of ‘**F’** for the course. Any form of cheating will be reported to the Vice-President of Academic Affairs Office for further action. Plagiarism will be suspected if an assignment that calls for individual work results in two programs so similar that one can be converted to another by purely mechanical transformations.

***What is NOT cheating –***

* Giving or receiving help on how to use the computer or software.
* Discussing an assignment in general terms. Discussing what is being asked for - but **not sharing actual code necessary to do it.**
* Discussing course material for better understanding.
* Receiving help from the lab assistants. Be aware that they will be helping you discover the solutions but **they will NOT be giving you lines of source code.**
* Receiving help from the teacher.

***What is considered cheating –***

* Letting someone else look at your code long enough to be able to duplicate a portion of it.
* Copying part or all of someone else’s source code, copy either **electronically** or through a **printout**.
* Letting someone else type code into your programming assignment.
* **Collaborating with another student to derive a common program or solution to a particular code problem.** Except for the final project, there are no group programming projects in this course.
* Discussing the details required to solve a programming assignment.
* Editing computer-generated output to achieve apparently correct results.
* Turning in a program where a major segment can be converted into that of another student by non-structural (logic) changes.
* Finding and using any portion of a program solution on the Internet

## Attendance

### On Campus

Students need to attend class regularly to achieve an acceptable level of competence. Students who miss more than 25% of the class will not be able to satisfactorily complete the course and will receive a grade of ‘F’. If you miss class, it is your responsibility to get the notes and assignments from the day you missed. You will be expected to hand in any assignment given during your absence, on the regular due date.

**Online**

Students are expected to login at least once a week to keep up with the lessons, quizzes and assignments. *It is recommended that students spend at least 4 - 6 hours a week for this course.* Students who have not logged in at least once for 25% or more of the weeks will receive a final grade of ‘F’.

### On Campus and Online

Requests for attendance exception must be made in writing to the instructor stating the conditions surrounding the reason for the request. Only under extenuating circumstances will the instructor consider granting the request.

**Audit**

Audit students cannot take the tests. Audit students are not required to submit any homework.

# Withdrawal

The responsibility for withdrawal is on the student, not on the instructor. If a student does not plan on finishing the course, the student must withdraw from the course. A student choosing to withdraw from a class must officially withdraw from a class by submitting a drop form in the Office of Records and Graduation Services, or by dropping the class on portal. Withdrawals don’t count toward your GPA. However, withdrawals may negatively impact your eligibility for federal student financial aid. You must withdraw before the beginning of the fourth quarter of a semester (i.e., through the 12th week of a 16-week semester or the sixth week of an eight-week semester). Students who do not take the initiative to officially withdraw from a class may be give the grade of "F". If you have questions regarding this notice, please consult your instructor.

The instructor cannot administratively withdraw a student for non-attendance or because the student is failing. Failure to withdraw will mean that the instructor will calculate your final grade as indicated in this syllabus. If you stop attending and fail to withdraw, you will more than likely receive a failing grade. This failing grade will be placed on your permanent transcript and will be used in the calculation of your GPA.

**Accommodation Statement:**

Oklahoma City Community College complies with Section 504 of the Rehabilitation Act & the Americans with Disabilities Act. Students with disabilities who seek academic adjustments/accommodations must make their request by contacting the office of Student Support Services located on the first floor of the main building near SEM entry 3 or by calling 405-682-7520. All academic adjustments/ accommodations must be approved by Student Support Services.

If you have been approved by Student Support Services to receive academic adjustments/accommodations you will receive an email from them with your approved accommodations attached.  You should forward that email to me so I will know what is authorized and then you must talk with me either after class or during my office hours. This will allow me to be better informed on how to assist you with access during the semester. To respect your privacy I will not approach you, but the academic adjustments/accommodations must be discussed to ensure ideal implementation for you. All information will remain confidential.

**Never Attended - Non Attendance**

Students who do not attend class(es) for which they have enrolled, will be reported as Never Attend and will receive a status of NA. The deadline for students to attend class or engage in an online class is the drop with refund date for the respective term.

The NA will **not** be reported on the student’s transcript. The status of NA is given **regardless** of the student’s financial aid status and/or if the student has made any payments.

A first semester student who is NA’d from **all** of their respective classes, will not be charged the $30 enrollment fee.

Students **will not** be charged for the class(es) for which they receive an NA.

Students’ financial aid awards will be recalculated to remove NA courses, which may result in a reduced award amount.

**Pregnancy and Parenting Statement**

Oklahoma City Community College does not discriminate against any student on the basis of pregnancy, parenting or related conditions. Pregnant or parenting students seeking accommodations should notify your professor immediately. For purposes of this notification, "parenting student,” means a student who is pregnant or has recently been pregnant, or another student in a parenting role (regardless of gender), who is participating in a pregnancy-related birth process. Pregnancy-Related Absences: When a doctor determines absence is necessary, absences will be excused for students who are pregnant or parenting for as long as the student's doctor determines. Reasonable time will be given to make up missed work.

Title IX Coordinators:

OCCC has a designated Director of Equity and Compliance Senior Deputy Title IX Coordinator, Cary Pirrong, J.D. (405-682-7850) [cary.m.pirrong@occc.edu](mailto:cary.m.pirrong@occc.edu). Contact Dr. Pirrong when a pregnant or parenting student needs assistance in understanding or protecting the students' rights under Title IX.

# FERPA

The educational rights and privacy of students of Oklahoma City Community College are governed by the Family Educational Rights and Privacy Act (FERPA) of 1974 as amended. The Act ensures students certain rights with regard to their education records. Students are ensured:

* the right to inspect their education records;
* the right to request the amendment of those records if they believe they are inaccurate, misleading, or otherwise in violation of the student's privacy or other rights;
* the right to consent to the release of personally identifiable information, except to the extent that FERPA authorizes disclosure without consent, i.e., Directory Information;
* the right to file a complaint with the U.S. Department of Education concerning alleged failures by Oklahoma City Community College to comply with the requirements of FERPA;
* If you wish to review any academic record, please approach your faculty member to arrange a mutually agreeable meeting day, time and location;
* When distance is a barrier for a face to face meeting, an electronic form of communication for a meeting will be arranged;
* Students are encouraged to seek a review of their academic records while the course is in progress or shortly thereafter to ensure the record is maintained and available for review.

For more information regarding your student rights under FERPA, visit [http://www.occc.edu/records/FERPA.html](http://www.occc.edu/records/FERPA.html%20)

## SAFETY AND SECURITY EMERGENCY PROCEDURES

The health and safety of all our students, faculty, and staff are OCCC's prime concern. The procedures outlined below are designed to deal with emergencies of various types. Students should always follow the lead of their instructors.

**Fire** - First notification will come from the fire alarm horns, sirens, and strobes. The class should gather their belongings, exit the building using the nearest exit, and move to a parking lot. Do not use the elevators. No alarm should be treated as a false alarm. Horns, sirens, and strobes are only used for fire alarms.

**Fire (Special Considerations)**

If someone in your area is not physically capable of descending the stairwell, please ensure that they remain in the "area of safe refuge" located just inside each upper-level enclosed first stairwell. There are emergency phones located near each of these areas.

**Medical Emergencies**

For all medical emergencies use the "Emergency" button located on each classroom or office phone. The classroom or office phone will display your current location, allowing for fast response to your location. You can also report a medical emergency to the Campus Police Department using any phone by dialing 682-7872. Dialing 911 directly may delay emergency responders. Campus Police and Security Officers are Basic Life Support capable and will also direct necessary Emergency Medical Services to your location. Remember to treat all bodily fluids as if they were contaminated and a potential biohazard.

**Bomb Threat/Evacuation**

If you receive a bomb threat, document as much information as possible and push the "emergency” button on the phone. If the decision to evacuate is given, the phone will sound an alarm and display a text message. The class should gather their belongings, exit the building using the nearest exit, and move away from buildings to Faculty Circle by the most direct and safe route. Please turn off all wireless devices. (Cell phones, radios, laptops, and other portable devices.) Updated information will be communicated as soon as it is available. Do not return to any building until there is an "All Clear" message.

**Severe Weather**

Tornado warnings with a potential impact to OCCC properties will be sent directly to the classroom phone. The phone will sound an alarm and display a text message. The class should gather their belongings, move away from exterior glass and exits, and move to safer areas. Designated for the building you are occupying. These "Safer Areas" are lower-level interior classrooms and hallways. Some buildings include stairwells as safer areas. You should familiarize yourself with the safer areas near your classroom(s). If the city/county sirens are sounding and OCCC is not in the warning area, a message will be sent to the classroom phone advising this information.

**Disturbance/Threats**

If someone is causing a disturbance in a classroom, call the Campus Police Department immediately. Use the "emergency" button located on each classroom phone. Distance yourself from that person, do not place yourself in the person's exit path and remove all potential weapons from the area.

**Shelter in Place**

If there is an armed person or active shooter on campus, the Campus Police will initiate a Shelter in Place alert. If in a classroom, office or other place where you can lock the door;

* + Close and lock your hallway doors. Do not let anyone into the classroom.
  + Silence cellphones, darken screens and remain calm & quiet
  + Turn off the lights and shut any available blinds
  + Use desks, tables and other objects to provide protection or barricade doorways
  + Remain sheltered until an All Clear is issued by the Campus Police.

If in an open area;

* + Get out of the building immediately using the nearest exit
  + Do not look back or stop until you know you are away and safe
  + Stay out and away from building until and All Clear is issued by the Campus Police.

**Tentative Course Calendar**

CS2163 Java Monday & Wednesday 11am~1:45pm ; 8 week course.

|  |  |  |  |
| --- | --- | --- | --- |
| Week #  Date | *Topic of each week* | Assignments | Due |
| week 1  01/20 | **Monday is off for MLK Day** |  |  |
| week 1  01/22 | *Ch 1: getting to know greenfoot* | homework 1 |  |
| week 2  01/27 | *Ch 2:* The first program: little Crab | homework 2 | homework 1 |
| week 2  01/29 | *Ch 3: Improving the Crab game* | homework 3 | homework 2 |
| week 3  02/03 | *Ch 4: Finish the Crab game* | homework 4 | homework 3 |
| week 3  02/05 | *Textbook Interlude 1;*  *Test 1 review* | Test 1 | homework 4 |
| week 4  02/10 | *Continue test 1 review, and work on OOP coding hands-on exercises*  *Ch 5: Scoring* | homework 5 | Test 1 |
| week 4  02/12 | *Ch 6: Making Music: an on-screen piano* | homework 6 | homework 5 |
| week 5  02/17 | *Ch 7: Object Interaction: introduction* | homework 7 | homework 6 |
| week 5  02/19 | *Ch 8: Interacting Objects: Newton’s lab* | homework 8 | homework 7 |
| week 6  02/24 | *Ch 9: Collision detection: Asteroids;*  *Interlude 2: bonus greeps project* | homework 9;  bonus greeps project | homework 8 |
| week 6  02/26 | *Test 2 review* | Test 2;  Outcome quiz | homework 9 |
| week 7  03/02 | *Continue test 2 review, and work on OOP coding hands-on exercises*  *Ch 10: Creating Images and sound* | homework 10 | greeps project;  Test 2;  Outcome quiz |
| week 7  03/04 | *Ch 11: Simulations;*  *Ch 13: Additional scenarios;*  *Final project* | Final project | homework 10 |
| week 8  03/09 | Continue on final project |  |  |
| week 8  03/11 | *final project presentation* |  | Final project |

## Disclaimer

**This syllabus is NOT a contract. The instructor may make adjustment to the syllabus and course calendar during the semester when needed**. Program assignment due dates are tentative in the above table and the actual due dates will be indicated in each Moodle assignment’s submission drop box.