



MATC
ITDEV-110-002
INTRO TO OBJECT ORIENTED PROGRAMMING
August 29, 2018 - December 19, 2018
FALL 2019

INSTRUCTOR INFORMATION

Instructor: Elijah Jones
Office: M348

Office Hours: **Mondays:** **1:00pm - 3:00pm, M348 Downtown Campus**
 Wednesdays: **10:00am - 12:00pm, M348 Downtown Campus**

Phone: **414-909-2972 (Google Phone)**
Email: **jonese53@matc.edu**

COURSE INFORMATION

Course Number: ITDEV-110-002

Course Description: This course introduces the fundamental concepts of programming from an object-oriented perspective. Topics include class design, simple data types, control structures, storage allocation, scope, arrays and string data structures. Students will develop algorithms to solve programming problems and use debugging techniques to test their solutions. The course emphasizes good software engineering principles and developing fundamental programming skills in the context of a language that supports the object-oriented paradigm.

The course begins immediately with the notions of objects giving students early exposure to these ideas. After experimenting with these ideas in the context of simple interactive programs, the course then goes onto traditional control structures. Emphasis will be placed on class design, implementation and problem solving. MATC strongly recommends that students take this course concurrently with ITDEV117 Logic and Problem Solving.

Dates: August 29, 2019 - December 19, 2019. Thursday Mornings Downtown.

Credits: 3.00

Course Format: In-person


Pre-requisite Courses: None

Other Pre-requisites:

Experience using a windows based operating system and a web browser
Ability to transfer and open files using email
An active e-mail address .
A web browser such as, Microsoft edge, Chrome or firefox
Ability to create, edit, and save files using a word processing application

Time Requirement: The classroom version of this course meets for three hours per week. If the student can be expected to spend two to three hours outside of class for each hour spent in class then a reasonable expectation is 9 hours of work per week outside of class.

Textbook: **TEXTBOOK IS REQUIRED.**

	<p>STARTING OUT WITH JAVA/ACCESS</p> <p>Author GADDIS Edition/Copyright 7TH 19 Published Date 2019 ISBN 9780134802213 Publisher PEARSON</p>	<p>Starting Out with Java: From Control Structures through Objects</p>
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Software:

You will need the following software on the computer you will be using for the class assignments:

1. *Java SE Development Kit 8u111 or later* for either MS Windows or Macintosh from <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
2. *NetBeans IDE 8.2 or later Java SE Download Bundle (recommend ALL bundle)* from <https://netbeans.org/downloads/index.html>

Google Docs are to be used for class assignments unless specified differently in assignment instructions. Google Docs is available to students in their gMATC account.

Blackboard will be the classroom management software for the class. All class communication, information, assessments, and student submission will be conducted using Blackboard.

Supplies:

USB Flash Drive (2GB or larger)

Laptop or desktop with internet access running a Windows OS as base operating system or virtually

Course Outcome Summary: You have the opportunity to learn the following skills in this course:

https://docs.google.com/document/d/1HrL7iy5uH2vporzdmBgSwCf2U4Hyv6bwsfY_8IIYY34/edit?usp=sharing

Class Calendar

NOTE: This schedule is subject to change at my discretion. Any adjustments will be announced with sufficient lead-time.

<https://docs.google.com/document/d/13mSYsAYTw2bdb41uwZirf8TgPOGs2v2oH0HsN68hPg4/edit?usp=sharing>

COURSE GRADING INFORMATION

No late work (assignments, discussion postings, etc.) will be accepted by the instructor without instructor approval prior to the date the work is listed as a deliverable in the Course Calendar. For prior approval students are to contact the instructor stating the reason for the request via preferred contact method **before the work is listed as a deliverable** in the Course Calendar. Instructor reserves the right to refuse any request.

Links for submitting work will no longer be available in the Blackboard classroom after the date the work is listed as a deliverable in the Course Calendar.

Assignments (500 points)

Assignments will be turned in the Assignments section of the Blackboard classroom. The instructor will identify ten individual assignments throughout the semester. Each assignment is worth fifty points towards the final grade. Assignments will be posted in the Assignment section in Blackboard. It is the responsibility of the student to be aware of when assignments are to be completed. Up to 5 of the 10 assignments may be graded for completion. This means the instructor will check that your application is complete but may not provide detailed feedback.

Assignments will be available in the Assignments section of the Blackboard classroom and are due by the date and time an individual assignment is listed as a deliverable on the Course Calendar. No late assignments will be accepted without instructor permission prior to the date the assignment is listed as a Deliverable.

A student will receive the entire fifty points for the assignment if all components of the assignment are completed with material relevant to the assignment and the material submitted correctly illustrates the topic of the assignment. Points will be deducted for incorrect and incomplete answers. The instructor will grade each assignment within two weeks after the assignment is listed as a deliverable in the Course Calendar. Occasionally, the instructor is required to attend meetings and has other responsibilities that prevent assignments from being graded within 2 weeks. If there is a delay in grading the instructor will alert you.

Students can discuss the assignments and share answers using the group discussion or chat sessions available in Blackboard, or work with partners and team members, but the work submitted by a student must be their own work. MATC academic policy will be enforced for all work submitted.

Students that have a question about an assignment should first attempt to resolve the issue with their partner. Partners that cannot solve an issue should attempt to resolve the issue with their team members. Teams that cannot solve the problem should contact the instructor.

Exams/Quizzes (300 Points)

There will be one Midterm Exam(100 Points) and one Final Exam(200 Points). Exams may be programming exams where students will be required to design and program a software application to meet a set of requirements. The Final Exam is worth two hundred points. It is the responsibility of the student to know when an exam is to be completed.

The instructor will review and place a final grade in the student grade book within two weeks after the date that the exam is listed as a deliverable.

Each programming exam must be completed using Visual Studio and the completed application must be submitted in Blackboard.

Projects (200 Points)

The instructor will identify an individual project during the semester. The individual project will be worth two hundred points that can be earned by an individual towards the final grade.

Students will receive a single grade for the project.

The Individual Project will be available in the Assignments section of the Blackboard classroom and is due by the date and time the project is listed as a deliverable on the Course Calendar. No late projects will be accepted without instructor permission prior to the date the assignment is listed as a Deliverable.

The Individual project may only be submitted in the Assignments section of the Blackboard Classroom to the instructor.

Individuals are encouraged to discuss issues, questions, and concerns with classmates in the Discussion Board or Class Community.

Successful completion of the Individual Project will be based upon the grading rubric listed in the project instructions. Students are encouraged to use the grading rubric as a guide for the Individual Project. The Individual Project will be graded within two weeks after the date it is listed as a Deliverable in the Course Calendar.

Participation/Attendance

Due to classroom activities, it is best for students to attend each class period. If a student is unable to attend a class period, the student is responsible for notifying the instructor before missing a class period and obtaining notes from classmates taken during class.

A student may choose to perform the course work without attending classes. The course offers weekly classroom instruction, but all other interaction is through Blackboard. There is material and activities covered in class beyond the resources that is available online. A student that elects to complete online may attend classes as needed, but the class is designed for class participation **and there will not be additional material specifically for online students**. To be successful in an online course you must make steady progress through the assignments over the course period. A student declaring themselves as an online student that does not submit consecutive work may be withdrawn from class

for non-participation as per Grading Policy in the Syllabus. It is the student's responsibility in an online course to maintain contact with the teacher, to participate with their teammates, and to seek answers to any questions the student may have. *If a student elects to be an online student for this specific class section, the student must send an email to the instructor indicating their preference prior to the end of the eighth class period.*

Total points

Total points for the semester will be accumulated based on assignments, exams, and a project. The maximum number of points is 1000. Any Extra Credit assignments will help the student accumulate total points but not be added to the scale.

Grading Scale

The following grading scale will be used to determine the final grade for this course.

A student's total points for the semester will be translated into a letter grade using the following scale:

A	950 – 1000
A-	900 – 949
B+	850 – 899
B	800 – 849
B-	750 – 799
C+	700 – 749
C	650 – 699
D	600 – 649
U	< 600

Contacting the Instructor:

MATC.edu email is the primary method of communication to contact the instructor. Do not initiate communication to the instructor through blackboard homework links or class mail.

All personal communication initiated by you to the instructor will be conducted using matc email. Email the instructor at jonese53@matc.edu from your MATC gmail account to ask the instructor any questions or discuss any personal performance issues.

Due to the SPAM and Viruses, **DO NOT send an instructor an email regarding the class from outside your matc email account.** The instructor will delete any email received that is from a source deemed unrecognizable and/or does not contain an expected subject.

The instructor will check email at least once a day during the normal school week when school is in session. **The Instructor will reply within 24 hours to all email sent Monday - Thursday and will reply by Monday afternoon for all Class Mail sent Friday - Sunday during the semester when school is in session unless notified by the instructor.**

When sending an email it is **the student's responsibility** to ensure that a reply has been received from the instructor within 24 hours if sent Monday - Thursday and by Monday afternoon if sent on a weekend. If a reply has not been received, the student is to resend the email indicating that it is a resend. Example: Student sends an email to the instructor at 7:00pm on Monday night. If the Student has not received a reply by 7:00pm on Tuesday night, the student must resend the email until reply is received.

Blackboard Class Mail is the primary method of contact when the instructor needs to initiate communication with you about assignments, or class related issues.

The instructor will contact you via blackboard class mail when necessary. Students are required to check their Class Mail at least twice a week on non-consecutive days. This feature allows for personal mail communication only between members of the class. If the instructor contacts you via class mail, please reply to the instructor's class mail.

Office Hours.

The instructor will be available for live telephone, video call, or personal meetings at the office hours listed in the syllabus or by appointment. However, do not expect the instructor to be immediately available during those

times as the instructor may already be assisting other students during that time. It is best to set up an appointment.

Texting:

If there is an immediate need to contact the instructor, send a text message to the number listed in the syllabus.

However, do not expect an immediate response as the instructor may not be able to respond immediately.

When texting, students need to provide their name, specific class that they are referencing.

The instructor will reply to all texts received Monday - Thursday within 8 hours and will reply by Monday afternoon for all texts sent Friday - Sunday during the semester when school is in session unless notified by the instructor.

Phone Calls:

The instructor will accept a phone call if available at the time of call between 8am - 5pm, Monday - Friday during the semester when school is in session.

If the instructor is unable to take your call, **leave a voice message with the following information: Your name, class section, reason for call, phone number, and best time to return call**

The instructor will check Voicemail at least once a day during the normal school week when school is in session. **The instructor will reply within 24 hours to all Voice Mail received Monday - Thursday and will reply by Monday afternoon for all Class Mail sent Friday - Sunday during the semester when school is in session unless notified by the instructor.**

Class Mail:

It is the responsibility of the student to:

- a. **Students are responsible for checking their Class Mail in the Blackboard classroom** for all instructor correspondence.
- b. check Class Mail on at least **two separate, non-consecutive days during a calendar week**
- c. **check for a reply from the instructor** as stated in the Contacting the Instructor section of the syllabus

Class Mail and email Etiquette:

- 1) The topic of the email **must be in the Subject area of the email**. Example: Assignment 1 Question.
- 2) The email should contain a greeting, and be in a respectful tone modeling a business environment. Example, Hello Professor Smith, I am contacting you concerning ...
- 3) Every email must include your first and last names in the body of the email

4) Be Prepared when contacting the instructor:

DO NOT give the instructor a blank page. The instructor can only help you find the right answer, if you know where you are and where you want to go:

When submitting a question or problem:

- a. Clearly define the situation, question, or problem
- b. Identify what you think is wrong, not correct, or misunderstood
- c. Detail what you think is the solution

RESPONSIBILITIES AND POLICIES

Student Rights and Responsibilities

Students are expected to be familiar with MATC policies and procedures.

Student Handbook: <http://www.matc.edu/student/studentlife/codeofconduct.cfm>

Academic Dishonesty

Academic dishonesty includes, but is not limited to, cheating, collaborating with another without the approval of the instructor, plagiarizing, stealing the work of another, falsifying records of work, and assisting another student in any of the above. Academic dishonesty is a violation of the Student Code of Conduct:

<http://www.matc.edu/student/studentlife/codeofconduct.cfm> If an instructor believes that an act of academic dishonesty may have occurred, he or she should meet with the student to discuss the alleged conduct (if possible). If the instructor determines that an act of academic dishonesty did occur, the instructor may choose one of the following responses: warn the student of unacceptable behavior, reprimand the student, and issue an alternative assignment/test, reduce the grade for the project or examination, remove the student from the course and submit a Withdrawal ("W"), or assign a failing grade for the course.

- The Student Code of Conduct is the definitive document on student conduct (including academic dishonesty) and the judicial system at any campus. For more information, call 414-297-7859.

Withdrawal Procedures

You may be dropped for absenteeism when:

1. Your consecutive absences exceed one class or the accumulative based on late attendance
2. You fail to meet attendance requirements of licensing agencies.
3. You pose a safety hazard to yourself or others because of missed instruction critical to safe class or lab performance.
4. You are unable to make up instruction missed in a lab/shop class.
5. You have not attended class during the first two weeks of the term.
6. If you have documented health or unusual personal problems affecting your attendance and your instructor agrees that you can make up the work, you may be allowed to continue and may be advised to use MATC support services (e.g., child care, financial aid, counseling, academic support, etc.). However, if your instructor determines you cannot complete the work or you will hinder instruction of other students, you will be withdrawn. To **appeal** you must go to the academic dean and request reinstatement. If you are appealing, you may stay in class until the drop is official, unless your presence may cause a safety hazard to yourself or others.

Course Attendance Policy

Regular attendance is essential to successfully complete this class. If you must miss class for any reason I highly recommend contacting me in advance to discuss. Missing class is certain to negatively impact your overall grade, and will likely cause you to miss crucial class discussions, assignments, etc., so do your best to come to every class period. A class absence is defined as missing more than ¼ of a scheduled class period. Three (3) absences and/or (2) consecutive absences are sufficient grounds for instructor-initiated withdrawal from the course.

I expect students to work according the schedule at the end of the syllabus. Homework, projects and exams must be submitted by the due dates outlined on the Topic/Assignment List included within the syllabus. Any weekly time period without work submitted or access to Blackboard materials will be considered an absence. Any (2) consecutive weeks without work submission is sufficient grounds for instructor withdrawal.

If you are more than 3 homework assignments behind, or if you are not posting to the Discussion Board or sending me e-mail replies for more than 10 days, you may be dropped from the course. You are responsible for completing all course requirements.

You must check your MATC e-mail AND login to Blackboard routinely during the week in order to keep up with the homework and to make sure you receive all class announcements.

How to Succeed in this Course

- Check your MATC email regularly
- Log in to the course web site daily
- Communicate with your instructor
- Create a study schedule so that you don't fall behind on assignment
- Utilize Student Support Services (tutoring, Academic Support Centers, Library)

Learner (Student) Responsibilities

- Take responsibility for your own learning.
- Be prepared for class and be an enthusiastic participant during class
- Treat others with tolerance and respect
- Act responsibly and reliably in group work
- Set high standards for your work
- Seek help during instructor office hours

Instructor Responsibilities

As your instructor, I commit to communicating openly and frequently with you about this class. I will maintain a professional, safe learning environment adhering to the policies of the college. You can expect a reply to communication, be it via e-mail, through online discussions, voicemail or in person, within 24-48 business hours. I will also be available during my office hours.

Personal Conduct Policy

Please make sure your cell phone is turned off before entering class. Usage in the classroom in any form is prohibited. Class begins promptly at the designated starting time. Lateness to class is disruptive for me and the class and is strongly discouraged. Please make every effort to be on time and ready for class.

I strongly encourage a very participatory environment in the classroom. All questions and comments must be treated with high level of respect. Please do not talk over your peers or your instructor to assure everyone's voice is heard during our discussions.

If you have an e-mailed class question, you can typically expect a response within one day. All correspondence with your instructor should be professional in nature as this is good practice for the real world. Inappropriate language, tone and format are unacceptable. **Please no "texting" language.**

Academic Assistance

I encourage you to take advantage of the Academic Support Services and Accounting Labs and tutoring services. It has been my experience that students who utilize these valuable resources are more apt to succeed in their classes.

Academic Support Centers

(check http://www.matc.edu/student/resources/support.cfm?cssearch=580925_1 for details):

Downtown Campus C271 Oak Creek Campus A208

West Campus Main 249 Mequon Campus A282

Technical Support Information (MyMatc, InfOnline, Gmail, and Blackboard)

Computer difficulties are not a long-term excuse for non-participation.

For technical assistance 24 hours a day, 7 days a week, please contact the MATC Help Desk:

Phone: **414-297-6541**

- Monday - Friday, 7:30 a.m. to 7:00 p.m.
- Saturday - Sunday, 8 a.m. to 4 p.m. (Voicemail Attendant Only)

Additional Student Assistance

Any student who faces challenges securing their food or housing or may be facing other life challenges that are negatively impacting their performance in this course is urged to contact a MATC counselor, or the MATC Foundation to understand whether additional resources may be available. A number of community support resources and the Hunger Task Force Food Pantry are located on the 8th Floor of Foundation Hall on the Downtown Campus. Also, please notify your instructor if you are comfortable in doing so to enable him or her to provide additional information or support as appropriate and available.

MyMATC, Blackboard and Email

Students log into MATC portal, Blackboard, school email, and campus computers using their MATC network account username and password. Log into the MATC portal: <https://mymatc.matc.edu/> and use the Blackboard module links to view your courses. Student assistance: http://ecampus.matc.edu/student_support

Grade Appeal Process

Within fifteen (15) business days from the date grades are due (or submitted if done so after the due date), the student shall contact the instructor who issued the final grade and discuss the grade in question. The contact or the discussion should occur or be documented in writing via email. If the student is unable to contact the faculty member, he or she may seek assistance through the instructor's Associate Dean.

If the student and instructor are unable to resolve the dispute, and the student wishes to pursue the matter, he or she shall contact the Associate Dean in writing within five (5) business days of the faculty member's decision. The student must indicate the course number, the instructor's name, and the reasons for disputing the final grade on a Grade Appeal Request form.

The full policy can be located here:

[Academic Grade Appeal](#)

Student Complaint Procedure

MATC has established a formal system to assist students in resolving academic problems and course-related issues. In order for a complaint to be valid, the following 4 steps must be followed in sequence:

Step 1: Meet with the instructor to discuss any questions related to the course (requirements or assignments) or if you are experiencing academic problems. If the issue is unresolved after meeting with the instructor...

Step 2: Meet with the Associate Dean of the department. If the issue is unresolved after meeting with the Associate Dean...

Step 3: Meet with the Dean of the department. If the issue is unresolved after meeting with the Dean...

Step 4: Go to The Office of Student Life for assistance.

Official complaints can be submitted via this link:

<http://www.123contactform.com/form-1441195/Student-Concern-And-Feedback-Form>

If you have college-related concerns or problems – either academic or nonacademic in nature – or have complaints or disputes involving college policies, services, employees, or other students, you are encouraged to utilize the services of the Office of Student Life. This office provides assistance and guidance in resolving issues that are pertinent to you. For assistance, call:

- Milwaukee Campus — 414-297-6229
- North Campus — 262-238-2218
- South Campus — 414-571-4715
- West Campus — 414-456-5304

Syllabus Changes

As your instructor, I retain the right to make changes based on the timeline of the class, feedback from learners and/or logistical issues and will inform you as soon as a change is made.

Incomplete Policy

The incomplete policy in this course is in accordance with the statement in the MATC College Catalog. Incomplete grades are given only with the student is unable to complete the course due to unusual circumstances. It is not intended for the student who merely falls behind in the required work. To be eligible for an incomplete grade the student must be passing with a grade of C or better. An incomplete form must signed one week prior to the end of class and arrangements must be made with the instructor for completion of the course during the following semester. If the remaining course work is not completed during the following semester, the grade becomes a U.

Statement of Non-Discrimination

MATC does not discriminate against any student or applicant for admission on the basis of race, color, sex, pregnancy, political affiliation, source of income, place of business, residence, religion, creed, ethnicity, national origin (including ancestry), citizenship status, physical or mental disability, age, marital status, family responsibilities, sexual orientation, gender, gender identity, veteran or military status (including special disabled veteran, Vietnam-era veteran, or recently separated veteran), predisposing genetic characteristics, domestic violence victim status or any other protected category under applicable local, state or federal law, including protections for those opposing discrimination or participating in any complaint process on campus or externally.

If you believe you have been the subject to unlawful discrimination, or want to report a concern, please speak with your instructor, or complete the online reporting form:

https://cm.maxient.com/reportingform.php?MilwaukeeAreaTC&layout_id=2

Americans with Disabilities Act (ADA) Statement

If you have a disability that impacts your academic performance and wish to request an accommodation, contact Student Accommodation Services (<http://www.matc.edu/student/resources/needs.cfm>, for details).

They may require documentation regarding your disability to enable them to comply with your request. Admission of a disability is voluntary and will be handled in a confidential manner. MATC does not discriminate against individuals with disabilities and fully complies with the Americans with Disabilities Act. To ensure your academic success in your

program, you are strongly encouraged to provide your instructor with a copy of the Instructor Notification Form from Student Accommodation Services.

Title IX Regulations

Title IX is a federal law that prohibits sex discrimination. Sex discrimination includes sexual harassment, sexual violence, and any other sex-based misconduct, relationship violence, discrimination based on pregnancy, and the failure to provide equal opportunity in all areas of schooling such as admissions, educational programs or activities, and athletics.

In accordance with Title IX, any type of sexual discrimination or other unlawful discrimination or harassment is taken seriously and is promptly investigated by the college. Complaints or concerns about sexual discrimination or harassment may be filed through the MATC report form at:

https://cm.maxient.com/reportingform.php?MilwaukeeAreaTC&layout_id=2

In addition, MATC's Title IX Coordinator and Deputy Coordinators are available to provide information concerning the college's policies, resources and to discuss concerns related to Equal Opportunity issues, including sexual misconduct or sexual harassment.

Interim MATC Title IX Coordinator - Dr. Mark Felsheim.

Phone: 414-571-4616

Email: felsheim@matc.edu

Reports of sexual assault, stalking, domestic abuse and other criminal activity should be made to MATC Public Safety at 414-297-6200.

Title IX also prohibits discrimination on the basis of pregnancy or related conditions. If you need to be absent due to medical conditions relating to pregnancy and maternity leave, such absences will be excused as long as deemed medically necessary by a student's doctor. You will be given the opportunity to make up missed work. Students needing assistance as a result of a pregnancy or related condition must contact the Student Accommodation Services at 414-297-6750.

Emergency/Evacuation Statement

Every Milwaukee Area Technical College building is equipped with a mass notification system that will be used by the Department of Public Safety to provide directions during an emergency. Students can also receive text messages with school closing and other emergency notifications from our RaveAlert system. Sign up at <https://www.getrave.com/login/matc>

All classrooms are equipped with an Emergency Response Guide which provides guidelines for dealing with emergencies. An electronic version of the guide is available at:

http://www.matc.edu/public_safety/upload/Emergency_Procedures_Guide.pdf

Students are asked to review these guidelines so they are familiar with emergency procedures. Please notify your instructor during the first week of the semester if you have a condition that may limit or affect your ability to evacuate the classroom/building in an emergency.

Clery Act Compliance

In compliance with the Clery Act, MATC publishes an Annual Security Report, which discloses campus security policies and three years of selected crime statistics. This report is available to all students and hard copies can be obtained from any MATC Public Safety office during normal business hours. An electronic version can be found at:

http://www.matc.edu/public_safety/index.cfm?cssearch=580950_1#clery

MATC also publishes a Daily Crime Log which discloses all crimes reported to the Public Safety Department for the past 60 days. This log can be found at: http://www.matc.edu/public_safety/index.cfm#stats

PROGRAM OUTCOMES

Employers will expect program graduates to:

MATC CAREER ESSENTIALS

MATC's *Career Essentials* are the formal method to assess career readiness or soft skills. Career Essentials consist of seven (7) competencies that program students are to demonstrate by the time they complete a program. They are listed in the image below.

1	Effective Communication through Speaking and Listening
2	Effective Communication through Writing
3	Mathematical Competency
4	Effective Problem Solving
5	Global Awareness

Every program course will in purpose of Career Essentials provide those results to the their progress throughout their time at MATC. Note-Career Essential assessments are not part of your regular grade.

6	Professionalism	ated through Blackboard. The xt of their program and to
7	Technology Competency	tudents are at any point in

Typically, students complete a Career Essentials Assessment through a familiar assignment submission process in Blackboard. See [these instructions](#).

If you have questions about the Career Essentials competency and assessment in your course, please contact your instructor.

Once an instructor grades a Career Essentials assignment, you will be able to view your results through the My Grades and Goal Performance tools in the course. [See these instructions](#) to learn more.