



Mr. May
Room 105
2019-2020

<http://mrmaysclass.weebly.com/>

Welcome to IDS 3 – Syllabus & Classroom Expectations

About the Class

This course will continue the Interdisciplinary Studies coursework here at MMSTC. Applications in Engineering, Manufacturing, Design, Computer Science, and Visual & Performing Arts will all be explored.

INTERDISCIPLINARY STUDIES 3 (VPA)

Course ID: HSM260

IDS Description from WCS High School Course Guide

This course continues the exploration of advanced topics in Engineering, Computer Science (CPS), and Computer Aided Design (CAD). Students explore robotics and write computer programs to solve math and science problems. In addition, students learn to manufacture actual products they have designed with the computer. Advanced methods of statistical analysis of scientific data are taught and students complete a joint research project with physics.



Michigan Department of Education Computer Science Standards

Required Materials

You are REQUIRED to bring the following things to class every day:

1. WCS Computer Login.
(We do not have a textbook, so printed/online materials will be frequently provided)
2. WCS ID, pen or pencil and paper
3. Any current assignments

Being prepared for class is part of your overall grade and not having these items daily will affect your studies and of course your grade!

Expectations

1. Everyone is expected to come prepared each day.
2. Everyone is expected to participate in class. This includes turning in homework, volunteering and participating in course experiences.
3. All students are to be in their assigned seat when class begins; otherwise you may be marked tardy.
4. Homework/Assignments are always due at the beginning of the hour, unless I say otherwise.
LATE WORK IS ONLY GUARANTEED TO BE ACCEPTED FOR 1/2 - 3/4 CREDIT THE NEXT CLASS PERIOD.
5. Your ID is needed to leave the room. NO ID=NO PASS. Arriving w/out ID will result in a tardy to obtain ID.
6. Food is PROHIBITED in this lab class, but you may have bottled water on a case by case basis. This is a privilege and will be taken away if trash is left in the room.
7. All district and school rules are expected to be followed, including attendance policies, cell phone/ECD policies, and general rules of conduct (including use of appropriate language). Your actions cannot take away from other students' educational experience. Use of ECD is only allowed during specific times. *Failure to follow these rules will result in calls/letters going home, confiscation of ECD, detentions, referrals, and possible removal from class.*
8. I may make additions or deletions to these rules throughout the semester.

Tardiness

Tardiness is a detriment to the student themselves as well as those that are interrupted by your late arrival. MMSTC's Tardy Policy is enforced, including arriving on time with the appropriate materials and according to school dress code.

Missed Homework

If you are absent it is YOUR responsibility to see about missed work. Homework will be posted on the weekly agenda and any worksheets/handouts will be in the Classwork bin according to the day of the week (M-F). You will have the same number of days that you were absent to complete and turn in the work for full credit.

Late Work

Late homework is accepted for $\frac{1}{2}$ - $\frac{3}{4}$ credit for one day after the due date. Missing homework receives a grade of 49%. After 3 days/attempts to complete missing work, any remaining incomplete/missing homework will earn 0%. Any Assessments will earn $\frac{1}{2}$ credit for one day after the due date. Any exceptions to this policy are made on a case by case basis.

Tests and Quizzes & Activities

If you miss a test or quiz you must make it up the day you return to class. You will be required to take it during class time if possible, or before school (due to various coaching commitments, after school days or times may be limited). Failure to make up the test/quiz/activity in a timely manner or after they are returned to other students, and Unverified absences result in an F (0) being issued.

Grading

Your final grade will be calculated based on the following elements:

Homework	15%	100%-98 = A+	97-93 = A	92-90 = A-
Labs/Activities	25%	89%-87 = B+	86-83 = B	82-80 = B-
Quizzes/Tests	50%	79%-77 = C+	76-73 = C	72-70 = C-
Participation/Skills	10%	69%-67 = D+	66-63 = D	62-60 = D-
		50%-59 = E		
		<50% = F		



Assessments not completed or turned in will receive a score of 0.

You cannot afford to not complete and turn in work and do your best on all assessments.

2 A's and 2 0's does not average to a C, it averages to an F.

Homework includes: practice tasks designed to help students master new concepts. These assignments are generally based upon completeness, effort, neatness, and attention to detail.

Labs/Activities include: **Formative assessments** and activities that allow students to apply what they have practiced using critical thinking and detailed observation and explanations.

Quizzes and Tests include: **Summative assessments** to determine the level of mastery that students have achieved.

Participation/Skills include: **Observational assessments** as to notes and completion of daily tasks. Other examples are Sustained Silent Reading, Standardized Test Preparation, Lab Skill Activities, and more.

***ALL WORK SHOULD BE KEPT UNTIL THE END OF THE SEMESTER! THIS INCLUDES HW, NOTES, VOCAB, LABS, TESTS/QUIZZES AND ANY REFERENCE SHEETS. THE FINAL EXAM IS CUMULATIVE.**

Mr. May can be reached by email at MMay@wcskids.net or by phone through MMSTC at (586) 574-4394 ext. 20105. E-mail is the preferred way to contact me, as I can respond quickly to your concerns throughout the day. Feel free to contact me with any questions or concerns you may have throughout the course of the semester.

Class Website

<http://mrmaysclass.weebly.com/>

RESEARCH LAB SAFETY RULES AND PROCEDURES AGREEMENT

To ensure that experiences at school are safe, positive learning experiences, students and parents should read, discuss and sign this Research Lab Safety Rules and Procedures Agreement.

General Woodworking and Woodshop Safety Rules: (Adapted from leeswoodprojects.com)

1. Only use woodworking machines and tools you have knowledge of or have been trained to use.
2. Always read and understand the owner's manual prior to using a tool or piece of equipment.
3. Always wear safety equipment such as goggles, face shields, dust masks, and hearing protection appropriate for the type of tool or equipment being used.
4. Dress appropriately. Do not wear gloves, ties, scarves, loose fitting clothing or jewelry around moving equipment. Also, do not wear sandals, open toed shoes, or go barefoot in the shop. Only wear gloves temporarily when handling or stacking rough lumber for storage purposes.
5. Avoid distractions at all times. Do not listen to a radio. If you must converse with another person, first turn off the equipment you are using.
6. Keep the working area and floor clean and free of wood scraps, clutter, oil spills, etc. Always use a brush to clean off sawdust or wood scraps from the machine or work area being used.
7. Make sure the safety guards are in position and operating properly for all equipment used.
8. Do not stand in water or use any electrical equipment in the rain or any inclement weather.
9. Be sure all equipment is properly grounded before use.
10. Always use the correct tools and equipment for the job. Never use a tool or attachment on a machine for which it was not designed.
11. Always check stock for nails, screws, staples, loose knots or other defects before using.
12. Before plugging in a machine, make sure the switch is in the off position. Also make sure the on/off switch is within a convenient reach.
13. Keep the power cords away from equipment while operating. Also, electrical cords should not be strung across the floor to prevent tripping. If possible, install power cords or wiring overhead or under the floor. If an extension cord must be used, be sure that it has the correct wire size and has a ground plug.
14. Concentrate on the work at hand at all times. Do not day dream and keep your hands and fingers at a safe distance from blades and any rotating parts while working.
15. Always use a push stick to push the stock into the cutting area whenever possible.
16. Always clamp stock securely when cutting, sanding or drilling.
17. Never make an adjustment with the power on. If possible unplug the machine when changing blades, bits, etc.
18. Make sure all blades, bits, drills, etc. are sharp and in good working condition before using.
19. Lighting is important. Clearly reading scales and measuring devices, plus visualizing blades, bits, drills, and the cut lines on wood stock is imperative.
20. Do not use a machine until it is running at full speed.
21. Never walk away from a machine while it is still running. Turn off the power and wait until it has come to a full stop.
22. If a machine does not sound right, there are unusual smells emitted, or smoke is visible, turn the machine off immediately and check for the problem before reusing.
23. Avoid unsafe operations where a sudden slip could cause your hand to move into a blade or cutting tool.
24. Make sure the floor space is clean and clear of debris or spills that could cause an accident.
25. If possible, do not stand directly behind any stock being cut, planed, or jointed. In the event of a kick-back, serious injury could result.
26. Keep all machines, equipment, and tools clean, oiled, sharpened, and in good repair.
27. Keep used oily and stained rags in a covered metal container. This will help prevent spontaneous combustion.
28. Keep an ABC class fire extinguisher in a convenient location. The ABC class will extinguish all classes of fires.
29. Discard or sharpen dull blades, cutters, chisels, drill bits, lathe tools, etc. Dull tools may not provide the quality of work desired and could result in accidents.
30. Keep lumber stored in a safe and dry place. Lumber should never be stored near equipment or working areas.
31. Use a wooden box to store cut-off material, or small stock that could be used for future projects.
32. If possible, use an exhaust ventilation system to remove sawdust and chips from the machines.
33. Never use drugs, alcohol, or medication that would impair vision or judgment in a woodshop environment.

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IDS 3 Rules and Expectations Contract



Return to Mr. May

Student Name (print) _____ Section _____

Please read over the course rules and expectations carefully. Once you have done so, have your parent or guardian read this as well. Both you and your parent/guardian need to sign below and return this sheet to Mr. May.

*I understand and agree to adhere to the classroom rules and expectations.

Student Signature Date

Parent/Guardian Signature Date

Please include any & all information below that you feel will aid in our communication.

Preferred
Contact
Method

- Parent/Guardian's E-mail address _____
- Parent/Guardian's Home Phone # _____
- Parent/Guardian's Work Phone # _____
- Parent/Guardian's Cell Phone # _____

Note: Below please list any information I should know about your son or daughter. Special concerns, accommodations and health issues should be listed. Include if student is an English Language Learner, has an approved 504 Plan or IEP, has any allergies, etc.

MUST BE RETURNED TO MR. MAY