

Course Outline of Record

1. Course Code: MATH-071
2.
 - a. Long Course Title: MESA/CCCP Orientation
 - b. Short Course Title: MESA/CCCP ORIENTATN
3.
 - a. Catalog Course Description:
 This course assists students in acquiring the knowledge and skills necessary to reach their educational objectives in engineering, mathematics, and science-related fields. Topics include: career decisions and strategies, educational and personal enrichment, study skills and habits, time management, academic preparation, and success in college. Field trips may be required.
 - b. Class Schedule Course Description:
 This course is intended for students that are enrolled in the MESA Program, exceptions must be approved by the MESA Director.
 - c. Semester Cycle (if applicable): N/A
 - d. Name of Approved Program(s):
4. Total Units: 1.00 Total Semester Hrs: 18.00
 Lecture Units: 1 Semester Lecture Hrs: 18.00
 Lab Units: 0 Semester Lab Hrs: 0
 Class Size Maximum: 200 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:
Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm1-A)
N/A
6. Textbooks, Required Reading or Software: (List in APA or MLA format.) *N/A*
7. Entrance Skills: *Before entering the course students must be able:*

8. Course Content and Scope:

Lecture:

1. Educational enrichment
2. Personal enrichment
3. Time management
4. Study skills
5. Availability of grants, scholarships, and financial aid
6. College and University transfer
7. Industry internships
8. Career opportunities in science, math, and engineering
9. Collaborative learning skills
10. Teambuilding strategies

Lab: (if the "Lab Hours" is greater than zero this is required)

9. Course Student Learning Outcomes:
 1. Demonstrate collaborative work and appropriate study skills.
 2. Identify a support system that includes faculty, on-campus resources, professional organizations, and potential employers.
 3. Outline the requirements needed for transfer to a college or university and the successful completion of a four-year degree.
 4. Develop a résumé to obtain internships.
 5. Develop the confidence and self-efficacy required to navigate the academic process.

10. Course Objectives: *Upon completion of this course, students will be able to:*
- Identify professions in mathematics, science and engineering and describe differences between a variety of subspecialties in those areas.
 - Understand and apply group-learning skills.
 - Apply strategies to create plans for school, studying and their career choices.
 - Develop and apply teambuilding strategies.
 - Identify colleges that match their needs, academically and personally.

11. Methods of Instruction: (*Integration: Elements should validate parallel course outline elements*)

- Discussion
- Distance Education
- Lecture

Other Methods:

Group work; Guest speakers; Videos; Problem- solving sessions; Presentations; Field trips

12. Assignments: (*List samples of specific activities/assignments students are expected to complete both in and outside of class.*)

In Class Hours: 18.00

Outside Class Hours: 36.00

- In-class Assignments

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- Out-of-class Assignments

- Regular reading assignments aligned with the weekly topic.
- Written work that includes an overview of the reading and includes the contribution of the related classroom activities.
- Research paper covering the student's career choice.
- Classroom presentation.

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Guided/unguided journals
- Portfolios
- Presentations/student demonstration observations
- Self/peer assessment and portfolio evaluation
- Student participation/contribution
- Other

Students will be required to keep a portfolio of all of their work. It will be collected and evaluated based on organization, neatness, and completeness. Students will also be evaluated on their classroom participation, examinations, and presentations. Portfolio 40%; Classroom participation 20%; Presentation 40%

14. Methods of Evaluating: Additional Assessment Information:

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO-GE C4.b - Language & Rationality (Communication & Analytical Thinking)

Gather, assess, and interpret relevant information.

Apply logical and critical thinking to solve problems; explain conclusions; and evaluate, support, or critique the thinking of others.

IO - Scientific Inquiry

Analyze quantitative and qualitative information to make decisions, judgments, and pose questions.

IO - Global Citizenship - Scientific & Technological Literacy

Utilize quantitative expression in a variety of contexts. These would include units of measurement, visual representations, and scales and distributions.

Synthesize, interpret, and infer, utilizing information, data, and experience to solve problems, innovate, and explore solutions.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
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19. Provide Reasons for the Substantial Modifications or New Course:

Periodic Review

20. a. Cross-Listed Course (Enter Course Code): *N/A*
 b. Replacement Course (Enter original Course Code): *N/A*

21. Grading Method (choose one): Pass/No Pass Only

22. MIS Course Data Elements

- a. Course Control Number [CB00]: CCC000173166
- b. T.O.P. Code [CB03]: 170200.00 - Mathematics Skills
- c. Credit Status [CB04]: C - Credit - Not Degree Applicable
- d. Course Transfer Status [CB05]: C = Non-Transferable
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Not Occupational
- g. Course Classification [CB11]: Y - Credit Course
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: *N/A*
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: Y - Not Applicable
- l. Funding Agency Category [CB23]: Y = Not Applicable
- m. Program Status [CB24]: 2 = Stand-alone

Name of Approved Program (if program-applicable): *N/A*

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 0
 Third Year: 0

24. Resources - Faculty - Discipline and Other Qualifications:

- a. Sufficient Faculty Resources: Yes
- b. If No, list number of FTE needed to offer this course: *N/A*

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (Explain:)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Carl Farmer Origination Date 03/28/17