

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM	SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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MASS COMMUNICATIONS, CONTINUED**JOUR 241
NEWSPAPER PRODUCTION****3 Units/Prerequisite:** JOUR 120 with a grade of "C" or better.**Transfers to:** CSU

This course involves students in producing the college newspaper. Included in the course of study are the various forms of journalistic writing and editing, typography, page layout, headline writing, and display advertising. Students may take this course once and repeat it three times for credit.

0596 MW 11:15 AM-12:40 PM FRANCIS J Rm B112
+ 9.0 Wkly lab hours to be arranged

**JOUR 199
JOURNALISM INTERNSHIP****3 Units/Prerequisite:** JOUR 241 with a grade of "C" or better.**Transfers to:** CSU

This course is designed to provide journalism students with on-the-job training in the journalism profession. Students will meet with the instructor one hour each week to receive instruction in the specific area of internship. Students may be involved in any or all of the following professional areas: newspapers, photojournalism, public relations, and broadcast newswriting. This course may be taken once and repeated one time for credit.

0384 + 9.0 Wkly lab hours to be arranged FRANCIS J Rm B112

**LIT 147
CINEMA AS LITERATURE****3 Units/Prerequisite:** ENGL 035 or ESL 198 or appropriate assessment.**Advisory:** READ 022 or appropriate assessment.**Transfers to:** UC, CSU

This course is for students interested in learning about the aesthetics of film making, especially with regard to adaptation of literature to the cinematic medium. Films will be analyzed and evaluated according to their historical, social, cultural, aesthetic, and technical significance. Both American and international film making will be covered.

★ 0460 M 7:00-10:10 PM MATTHIS J Rm A211

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU

Ⓜ8120 24 HRS/7 DAYS VAZQUEZ D INTERNET

Important information-pp 13-14. Instructor email: dvazquez@riohondo.edu**MASSC 103
SURVEY OF MOTION PICTURE, RADIO AND TELEVISION****3 Units/Advisory:** ENGL 035 or ESL 198 or appropriate assessment; READ 022 or appropriate assessment.**Transfers to:** UC (Credit limit *), CSU

(* Students will receive credit from UC for only one of the following courses: MSCM 103 or MSCM 128)

This course presents a broad survey of the history, theory, aesthetic principles, and production techniques used in the making of motion pictures, radio, and television programs. Students will view or listen to numerous television shows, motion pictures, films, and radio programs in order to become familiar with various production techniques and methods of critically evaluating media presentations. Guest lecturers and field trips to film, TV shows, and radio studios may be scheduled.

0069 T 3:45-6:55 PM CARRERA W Rm A216

**MASSC 128
MASS MEDIA IN MODERN SOCIETY****3 Units/Advisory:** ENGL 035 or ESL 198 or appropriate assessment; READ 022 or appropriate assessment.**Transfers to:** UC (Credit limit *), CSU

(* Students will receive credit from UC for only one of the following courses: MSCM 103 or MSCM 128)

This course in mass media surveys the history, format, laws, and significant contributors in American mass communications. Through projects and readings, students research and discuss such issues as free press, fair trial, foreign communications systems, and the relationship between free media and a democratic society.

1822 MW 12:50-2:15 PM FRANCIS J Rm B112

**RADIO 199
RADIO INTERNSHIP****3 Units/Prerequisite:** RDIO 236 with a grade of "C" or better.**Transfers to:** CSU

This course is designed to provide radio students with on-the-job training in the radio profession. Students may be involved in any or all of the following professional areas: broadcast, studio, club, party and contract agency, talent, management, or technical. This course may be taken once and repeated one time for credit.

0569 + 9.0 Wkly lab hours to be arranged FRANCIS J Rm B112

MATHEMATICS**DIVISION OF MATHEMATICS & SCIENCES**

A student registering for his/her first mathematics class at Rio Hondo College must meet the course prerequisites listed with a college course OR must take a placement test. (See the assessment test schedule on page 9 or contact the Assessment Office.) Students should review math before taking the math placement test. Once placed in the proper mathematics course, students advance in the sequence according to Rio Hondo College class prerequisites. If several semesters have elapsed since a student qualified for a course, it is recommended that the student see his/her counselor for a recommendation.

SPECIAL INSTRUCTIONS FOR STUDENTS**REGISTERING FOR MATHEMATICS CLASSES:**

Students registering for any math class, except MATH 020, should be aware that if they have not met the prerequisite they will be informed via touchtone or online registration that they are blocked from registering in these courses. Students who may register using touchtone or online include the following:

- Students who are currently enrolled in the prerequisite course will be allowed to enroll pending final grade of "C" or better.
- Students who have placed into their math class through the assessment process at Rio Hondo College within the last two years.
- Students who have completed the prerequisite course with a "C" or better at Rio Hondo.

The following students should bring assessment results, grade reports, and/or transcripts with them to their counselor:

- Students who have completed the equivalent prerequisite course at another college or university with a "C" or better.
- Students who have taken the MDTP assessment test at another college.

Students wishing to appeal their Rio Hondo assessment placement or challenge the math prerequisite should contact Elaine Hemenway at (562) 463-7571 or in Room S300 the Math Science Center (MSC). Students with questions about the assessment placement process should contact the Counseling Department (A119), the Math Science Center (S300), or the Division Dean (S233).

COURSE FORMATS

The Mathematics Department offers courses in four different formats:

LECTURE-DISCUSSION - All required course material is presented in a lecture/discussion in the classroom.

HYBRID LECTURE/ONLINE - Some of the required course material is presented in the classroom and some material is presented online.

ONLINE - All of the required course material is presented online.

INDEPENDENT-TUTORIAL - Self-paced courses are offered in the Math Science Center (S300). It is recommended that students sign up for only one unit at a time because this is an open entry class. For this reason you may sign up only for the "A" unit by phone. If a student needs more than one unit, they need to come to the MSC for a signature. The Math Science Center (MSC) is open Monday through Thursday from 9:00am to 9:00pm and Saturday from 9:00am to 4:00pm. All students signing up for courses in the MSC must attend an **ORIENTATION SESSION** or read the rules and regulations themselves. Orientations will be given in S300 on Saturday, August 22 every hour starting at 9:00am until 3:00pm AND on Monday, August 24 every hour starting at 9:00am until 8:00pm. All new students will take an orientation quiz based on the orientation information.

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MATHEMATICS, CONTINUED

MATH 020

BASIC MATHEMATICS

3 Units or 1 Unit each/Advisory: READ 021 or appropriate assessment, ENGL 030 or ESL 036 or appropriate assessment. Individual modules to be taken in sequence.

This course is designed for students who need a review of the basic principles and skills of arithmetic. The general areas of review are: Operations with whole numbers and fractions; operations with decimals and proportional thinking; percent problems and applications to percents. Students may enroll in MATH 20 in a lecture section for three units of credit or in individual one-unit modules: MATH 20A, 20B, and 20C in the Math Science Center (MSC). Instruction in the MSC is given on an independent tutorial, open-entry basis which must be taken sequentially in the MSC over a maximum period of 24 months. This is a non-degree credit course.

LECTURE/DISCUSSION COURSES

1735	MW	8:05-9:30 AM	TRESS M	Rm S330
1731	TTh	8:05-9:30 AM	BENSON B	Rm S303
1093	TTh	9:40-11:05 AM	HAWLEY L	Rm S303
0070	TTh	11:15 AM-12:40 PM	HAWLEY L	Rm S303
0865	TTh	11:15 AM-12:40 PM	DARYOUSH F	Rm S329
0131	MW	12:50-2:15 PM	GRAHAM L	Rm S303
0883	MW	12:50-2:15 PM	LY H	Rm S129
1795	MW	12:50-2:15 PM	GRIFFITH L	Rm S200
1477	TTh	12:50-2:15 PM	CHAUDRY A	Rm S226
1472	MW	2:25-3:50 PM	DARYOUSH F	Rm S303
0143	TTh	4:00-5:25 PM	DAMMENA D	Rm S201
★ 1737	MW	5:25-6:50 PM	VU N	Rm S200
★ 0893	TTh	5:25-6:50 PM	VU N	Rm S200
★ 0895	TTh	5:30-6:55 PM	LOW J	Rm S201

MATH 020 INDEPENDENT-TUTORIAL COURSES

MATH 020A

1 Unit/Coursework includes: Operations with whole numbers and fractions.

0903	Wkly hours by arrangement	HEMENWAY E	Rm S300
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MATH 020B

1 Unit/Coursework includes: Operations with decimals, ratios and proportions.

0904	Wkly hours by arrangement	HEMENWAY E	Rm S300
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MATH 020C

1 Unit/Coursework includes: Percents and applications for business and consumers.

0905	Wkly hours by arrangement	HEMENWAY E	Rm S300
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MATH 030

PREALGEBRA

4 Units or 1 Unit each/Prerequisite: MATH 020 or MATH 021 with a "C" or better or appropriate assessment.

Advisory: READ 023 or appropriate assessment and ENGL 030 or ESL 037 or appropriate assessment.

This course is designed primarily for students who know the fundamentals of arithmetic, and have had little or no background in algebra. The course strengthens the student's arithmetic and informal geometry skills, provides an introduction to the abstractions of algebra using fundamental principles of rational numbers, order of operations, and solving linear equations. Students may enroll in Math 030 in a lecture section for four units of credit, or individual one-unit modules 030A, 030B, 030C, and 030D in the Math and Science Center (MSC). Instruction in the MSC sections is given on an independent tutorial, open-entry basis which must be taken sequentially in the MSC over a maximum period of 24 months.

LECTURE/DISCUSSION COURSES

1733	MW	7:45-9:50 AM	BOTELLO R	Rm S209
0891	TTh	8:00-10:05 AM	CHAUDRY A	Rm S311
0898	MW	9:00-11:05 AM	HEMENWAY E	Rm S200
0894	MW	10:00 AM-12:05 PM	HAWLEY L	Rm S330
1798	TTh	10:00 AM-12:05 PM	OKELBERRY L	Rm S225
0889	MW	10:15 AM-12:20 PM	MOSHARRAF F	Rm S303

MATH 030, CONTINUED ON NEXT COLUMN

★ = Evening

☎ = Online/Hybrid Classes

1903	TTh	11:40 AM-1:45 PM	MALAKAR S	Rm S200
0868	MW	1:00-3:05 PM	MOSHARRAF F	Rm S326
0838	MW	1:00-3:05 PM	LATURNO J	Rm S221
1858	MW	1:30-3:35 PM	MANGAHAS R	Rm S201
1797	TTh	1:30-3:35 PM	DARYOUSH F	Rm S330
0852	TTh	2:25-4:30 PM	OKELBERRY L	Rm S121
1832	MW	2:45-4:50 PM	VU N	Rm S200
1833	MW	4:30-6:35 PM	LATURNO J	Rm S221
0850	MW	4:45-6:50 PM	GILL J	Rm S303
1473	MW	4:45-6:50 PM	BRICK L	Rm S311
1739	TTh	4:45-6:50 PM	ALPERN R	Rm S303
1474	TTh	4:45-6:50 PM	PHAM A	Rm S329
★ 1738	MW	7:00-9:05 PM	MCWILLIAMS G	Rm S201
★ 1478	TTh	7:00-9:05 PM	HSU T	Rm S330
★ 0890	TTh	7:00-9:05 PM	MARTINEZ J	Rm S201
0686	Sat	9:00 AM-1:10 PM	JOHNSON J	Rm S225

MATH 030 ONLINE COURSES

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU

This course is a modularized version of Math 030, which allows greater flexibility for the student to complete the course on-line. The majority of coursework is completed on-line, with one proctored written exam required for each module. It is recommended that you sign up for only one module at a time (each 1 unit).

Contact the instructor by email prior to registration for important information on software/hardware requirements which exceed Virtual College specifications.

MATH 030A

☎ 8059 24 HRS/7 DAYS LATURNO J INTERNET

MATH 030B

☎ 8060 24 HRS/7 DAYS LATURNO J INTERNET

MATH 030C

☎ 8062 24 HRS/7 DAYS LATURNO J INTERNET

MATH 030D

☎ 8067 24 HRS/7 DAYS LATURNO J INTERNET

Important information-pp 13-14. Instructor email: jlaturno@riohondo.edu

MATH 030 INDEPENDENT-TUTORIAL COURSES

MATH 030A

1 Unit/Coursework includes: Whole numbers, integers and fractions.

0739	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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MATH 030B

1 Unit/Coursework includes: Decimals, real numbers and variable expressions.

0930	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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MATH 030C

1 Unit/Coursework includes: First degree equations, measurements and proportion.

1075	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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MATH 030D

1 Unit/Coursework includes: Percent, informal geometry and some statistical measures.

0639	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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You make the choice!

COURSE FORMATS

Take advantage of two types of online courses available for you to register. You make the choice!

HYBRID LECTURE/ONLINE - Some of the required course material is presented in the classroom and some material is presented online.

ONLINE - All of the required course material is presented online.

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MATHEMATICS, CONTINUED

**MATH 050
ELEMENTARY ALGEBRA**

4 Units or 1 Unit each/Prerequisite: MATH 030 with a grade of "C" or better or appropriate assessment.

Advisory: READ 023 or appropriate assessment, ENGL 030 or ESL 037 or appropriate assessment.

This course is an introduction to the basic principles and skills of algebra. It is designed primarily for those students who have no prior training in algebra or need a review of the fundamentals of algebra. Topics include: numbers and their properties, operations with real numbers, exponents, solutions and graphs of linear equations, slopes of lines, system of linear equations and applications, operations with polynomials including factoring, solving quadratic equations, operations with simple rational and radical expressions. Students may enroll in Math 050 in a lecture section for four units of credit, or individual one-unit modules 050A, 050B, 050C, and 050D in the Math and Science Center (MSC) or online. Instruction in the MSC sections is given on an independent tutorial, open-entry basis which must be taken sequentially in the MSC over a maximum period of 24 months.

LECTURE/DISCUSSION COURSES

0059	MW	7:30 -10:00 AM	BRONKAR R	Rm S311
0864	MW	7:30-10:00 AM	PITASSI M	Rm S226
0879	MW	7:30-10:00 AM	ENGLISH C	Rm S329
0881	TTh	7:30-10:00 AM	BOTELLO R	Rm S326
0877	MW	10:00 AM-12:30 PM	BOTELLO R	Rm S209
1344	MW	10:00 AM-12:30 PM	MAYER K	Rm S129
0283	MW	10:15 AM-12:45 PM	BRONKAR R	Rm S311
1799	MW	10:15 AM-12:45 PM	LITTRELL M	Rm S225
0058	TTh	10:15 AM-12:45 PM	MOSHARRAF F	Rm S209
0875	MW	11:15 AM-1:45 PM	DARYOUSH F	Rm S329
1734	TTh	11:15 AM-1:45 PM	ESQUIVEL R	Rm S221
0880	TTh	12:30-3:00 PM	BENSON B	Rm S225
1745	MW	1:00-3:30 PM	HAWLEY L	Rm S311
0882	TTh	1:00-3:30 PM	PHAM A	Rm S303
0099	TTh	1:00-3:30 PM	FORBES J	Rm S201
0876	TTh	1:00-3:30 PM	ENGLISH C	Rm S329
1062	MW	2:00-4:30 PM	FUNG H	Rm S329
1808	TTh	2:00-4:30 PM	VU N	Rm S200
1475	TTh	4:00-6:30 PM	HSU T	Rm S330
★ 1345	MW	7:00-9:30 PM	BRICK L	Rm S311
★ 1736	MW	7:00-9:30 PM	MARTINEZ J	Rm S225
★ 0824	TTh	7:00-9:30 PM	DAMMENA D	Rm S226
★ 0884	TTh	7:00-9:30 PM	ALPERN R	Rm S225
★ 1307	TTh	7:00-9:30 PM	MELENDEZ R	Rm S329

**MATH 050 HYBRID LECTURE/ONLINE COURSES
HYBRID COURSE ACCESS: ONLINE.RIOHONDO.EDU**

The following class will meet for three hours on campus. The remaining credit hours will be completed online. Contact the instructor by email prior to registration for important information on software/hardware requirements which exceed Virtual College specifications.

☞8511	MW	5:25-6:50 PM	FUNG H	Rm S209
		+2.2 HRS/WK	ONLINE	INTERNET

Important information-pp 13-14. Instructor email: hfung@riohondo.edu

MATH 050 ONLINE COURSES

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU

This course is a modularized version of Math 050, which allows greater flexibility for the student to complete the course on-line. The majority of coursework is completed on-line, with one proctored written exam required for each module. It is recommended that you sign up for only one module at a time (each 1 unit).

Contact the instructor by email prior to registration for important information on software/hardware requirements which exceed Virtual College specifications.

☞8115	24 HRS/7 DAYS		LATURNO J	INTERNET
☞8116	24 HRS/7 DAYS		LATURNO J	INTERNET
☞8122	24 HRS/7 DAYS		LATURNO J	INTERNET
☞8123	24 HRS/7 DAYS		LATURNO J	INTERNET

Important information-pp 13-14. Instructor email: jlaturno@riohondo.edu

MATH 050 INDEPENDENT-TUTORIAL COURSES

MATH 050A

1 Unit/Coursework includes: Numbers and their properties, operations with integers, exponents and first-degree equations.

0899	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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MATH 050B

1 Unit/Coursework includes: Solving application problems, graphing equations and inequalities.

0900	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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MATH 050C

1 Unit/Coursework includes: Polynomials, systems of equations and factoring.

0901	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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MATH 050D

1 Unit/Coursework includes: Operations with fractional expressions, quadratic equations, and radicals.

0902	Wkly hrs by arrangement	HEMENWAY E	Rm S300
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**MATH 060
GEOMETRY**

3 Units/Prerequisite: MATH 050 with a grade of "C" or better or appropriate assessment.

Advisory: READ 023 or appropriate assessment and ENGL 030 or ESL 037 or appropriate assessment.

This course is an introduction to the elements of geometry, including points, lines, planes, and angles. These elements are used in conjunction with triangles, polygonal and circular figures in both two and three dimensional configurations. Formulas for computing lengths, areas, and volumes are presented through the use of applications. This course is intended for students who have not had or completed two semesters of high school geometry or who need a refresher prior to taking trigonometry, technology courses, mathematics for elementary teachers or other courses with a geometry prerequisite.

0887	MW	11:15 AM-12:40 PM	HEMENWAY E	Rm S200
★ 0892	MW	5:25-6:50 PM	ASSADIAN B	Rm S120

**MATH 070
INTERMEDIATE ALGEBRA**

4 Units or 1 Unit each/Prerequisite: MATH 050 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 023 or appropriate assessment.

Transfer to: CSU if taken prior to the Fall Semester, 1988.

This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. This course is a study of linear and quadratic equations and inequalities, system of linear equations, polynomials, exponents and radicals, relations and functions, graphs of functions, exponential and logarithmic expressions and their applications. Students may enroll in Math 070 in a lecture section for four units of credit or in individual one-unit modules: Math 070A, 070B, 070C, and 070D in the Math and Science Center (MSC) or online. Instruction in the MSC is given on an independent tutorial, open-entry basis which must be completed sequentially in the MSC over a maximum period of 24 months.

LECTURE/DISCUSSION COURSES

0859	MTWTh	7:30-8:40 AM	WANG G	Rm S200
0862	TTh	7:30-10:00 AM	CURTIS G	Rm S226
0860	MW	7:30-10:00 AM	LITTRELL M	Rm S225
0863	TTh	8:00-10:30 AM	MALAKAR S	Rm S329
0861	MW	10:15 AM-12:45 PM	OKELBERRY L	Rm S120
1810	MW	10:15 AM-12:45 PM	ENGLISH C	Rm S326
0067	TTh	10:15 AM-12:45 PM	BOTELLO R	Rm S326
1740	MW	12:15-2:45 PM	ESQUIVEL R	Rm S330
0867	MW	1:00-3:30 PM	MAYER K	Rm S225
1800	MW	1:00-3:30 PM	TOWHIDLOW M	Rm S120
0886	TTh	1:00-3:30 PM	MOSHARRAF F	Rm S120
1794	TTh	2:00-4:30 PM	FUNG H	Rm S209
1138	TTh	2:30-5:00 PM	PITASSI M	Rm S326
1743	MW	4:00-6:30 PM	MCWILLIAMS G	Rm S201
★ 1615	MW	7:00-9:30 PM	STAFF	Rm S303
★ 1742	TTh	7:00-9:30 PM	KHWAJA Z	Rm S311
★ 0885	TTh	7:00-9:30 PM	HATTAR M	Rm S209

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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MATHEMATICS, CONTINUED

MATH 070 HYBRID LECTURE/ONLINE COURSES

HYBRID COURSE ACCESS: ONLINE.RIOHONDO.EDU

The following class will meet for three hours on campus. The remaining credit hours will be completed online. Contact the instructor by email prior to registration for important information on software/hardware requirements which exceed Virtual College specifications.

8509	TTh	8:05-9:30 AM +2.2 HRS/WK ONLINE	PITASSI M	Rm S225 INTERNET
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Important information-pp 13-14. Instructor email: mpitassi@riohondo.edu

MATH 070 ONLINE COURSES

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU

This course is a modularized version of Math 070, which allows greater flexibility for the student to complete the course on-line. The majority of coursework is completed on-line, with one proctored written exam required for each module. It is recommended that you sign up for only one module at a time (each 1 unit).

Contact the instructor by email prior to registration for important information on software/hardware requirements which exceed Virtual College specifications.

MATH 070A

8157	24 HRS/7 DAYS		LATURNO J	INTERNET
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MATH 070B

8158	24 HRS/7 DAYS		LATURNO J	INTERNET
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MATH 070C

8159	24 HRS/7 DAYS		LATURNO J	INTERNET
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MATH 070D

8160	24 HRS/7 DAYS		LATURNO J	INTERNET
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Important information-pp 13-14. Instructor email: jlturno@riohondo.edu

MATH 070 INDEPENDENT-TUTORIAL COURSES

MATH 070A

1 Unit/Coursework includes: Real numbers, linear equations and inequalities.
0658 Wkly hrs by arrangement HEMENWAY E Rm S300

MATH 070B

1 Unit/Coursework includes: Polynomials, systems of equations and equalities.
0659 Wkly hrs by arrangement HEMENWAY E Rm S300

MATH 070C

1 Unit/Coursework includes: Rational expressions, rational exponents and radicals.
0660 Wkly hrs by arrangement HEMENWAY E Rm S300

MATH 070D

1 Unit/Coursework includes: Exponential and logarithmic functions, quadratic equations and function notation.
0761 Wkly hrs by arrangement HEMENWAY E Rm S300

MATH 130

STATISTICS

4 Units/Prerequisite: MATH 070 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 101, READ 101.

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 130 or MATH 130H)

This course is designed for students majoring in business, social sciences, and life sciences. This course provides an overview of descriptive and inferential statistics. The students learn to read, interpret and present data in a well organized way. This includes frequency distributions, graphs, measures of central tendency and variability, correlation and linear regression. While discussing inferential statistics, the students learn to make generalizations about populations. This includes probability, sampling techniques, confidence intervals, and hypothesis tests.

0870	MW	8:00-10:05 AM	GRAHAM L	Rm S120
0906	TTh	8:00-10:05 AM	LITRELL M	Rm S209
0074	TTh	10:15 AM-12:20 PM	PITASSI M	Rm S226
1421	MW	1:30-3:35 PM	ENGLISH C	Rm S121
1807	TTh	2:00-4:05 PM	ESQUIVEL R	Rm S221
1746	MW	4:00-6:05 PM	ESQUIVEL R	Rm S330
0878	TTh	4:00-6:05 PM	KHWAJA Z	Rm S225
1826	T	5:00-9:20 PM	FRITZ C	Rm S120
★ 1806	MW	7:00-9:05 PM	GILL J	Rm S221

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

MATH 130 ONLINE COURSES

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU

Students who enroll in this course will be required to attend an on-campus orientation meeting, plus a total of five scheduled examinations that will be proctored in the MSC (S300). Students can contact the instructor at mlittrell@riohondo.edu with any questions.

8076	24 HRS/7 DAYS		LITRELL M	INTERNET
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Important information-pp 13-14. Instructor email: mlittrell@riohondo.edu

MATH 140

MATHEMATICS FOR ELEMENTARY TEACHERS

4 Units/Prerequisite: MATH 070 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 101 and READ 101

Transfers to: UC, CSU

Math 140 focuses on the foundations of mathematics taught in elementary school. Topic include systems of numeration, such as Babylonian, Egyptian, Mayan, decimal, and non-decimal; place value concepts; models and algorithms for operations with whole numbers, integers, fractions and decimals; the structure of the real number system, order of operations, prime factorization; and applications. Emphasis is placed on problem solving, patterns, and logic. This course is intended for elementary education majors planning to teach in elementary or middle school.

0896	TTh	9:00-11:05 AM	GRIFFITH L	Rm S120
1896	MW	4:00-6:05 PM	GRIFFITH L	Rm S226

MATH 160

COLLEGE ALGEBRA

4 Units/Prerequisite: MATH 070 with a grade of "C" or better or appropriate assessment.

Advisory: READ 023 or appropriate assessment; ENGL 035 or ESL 198 or appropriate assessment.

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 160 or MATH 165 or MATH 180)

This course will cover linear, quadratic, polynomial, power, exponential, and logarithmic functions and their applications. These functions will be approached from a graphical, numerical and analytical point of view. This course serves as preparation for students planning to take MATH 170, Elements of Calculus. (Graphing technology will be required.)

0848	MW	8:00-10:05 AM	LY H	Rm S303
1809	TTh	1:00 -3:05 PM	MAYER K	Rm S311
1476	TTh	4:45-6:50 PM	FUNG H	Rm S209
★ 1744	MW	7:00-9:05 PM	PRIBNOW J	Rm S200

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

MATH 170

ELEMENTS OF CALCULUS

4 Units/Prerequisite: MATH 160 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 101 and READ 101.

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 170 or MATH 190)

This is a one-semester course in the fundamentals of algebra-based calculus and its applications to the fields of business, economics, social sciences, biology, and technology. Course topics include graphing of functions, derivatives and integrals of polynomials, exponential and logarithmic functions, applications of derivatives and integrals, multi-variable derivatives and differential equations.

★ 0871	MW	7:00-9:05 PM	ESQUIVEL R	Rm S330
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(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

MATH 175

PLANE TRIGONOMETRY

3 Units/Prerequisite: MATH 060 and MATH 070 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 023 or appropriate assessment.

Transfers to: CSU

This course equips students with the skills necessary for success in pre-calculus. It presents the concepts of plane trigonometry using a functions approach. Included is a study of basic relations, functions, and transformations, as well as circular functions, trigonometric functions of angles, identities, inverse functions and their equations and solutions of triangles. This course is a prerequisite for Math 180.

0874	TTh	11:15 AM-12:40 PM	GRIFFITH L	Rm S120
0068	MW	12:50-2:15 PM	BOTELLO R	Rm S226
★ 0873	TTh	7:00-8:25 PM	SPIELER G	Rm S221

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM	SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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MATHEMATICS, CONTINUED

**MATH 180
PRECALCULUS**

4 Units/Prerequisite: MATH 175 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 101.

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 160 or MATH 165 or MATH 180)

This course is designed to prepare the students for the study of calculus. It presents a comprehensive study of linear, quadratic, polynomial, exponential, logarithmic, rational, and trigonometric functions. Inequalities, introductory analytical geometry, polar coordinates, polar equations and their graphs, DeMoivre's Theorem and an introduction to sequences are also included. This course is a prerequisite for Math 190.

0851 MW 10:15 AM-12:20 PM PITASSI M Rm S226
0853 TTh 10:15 AM-12:20 PM MAYER K Rm S311

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

**MATH 190
CALCULUS I**

4 Units/Prerequisite: MATH 180 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 101 or appropriate assessment.

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 170 or MATH 190)

Calculus 190 is a semester course designed primarily for those students planning to pursue programs in the engineering, mathematics, computer science, and physical sciences. The course includes topics of differential integral calculus of a single variable.

0854 TTh 10:15 AM-12:45 PM BRONKAR R Rm S330
0855 MW 1:00-3:30 PM OKELBERRY L Rm S209

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

**MATH 191
CALCULUS II**

4 Units/Prerequisite: MATH 190 with a grade of "C" or better.

Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 101 or appropriate assessment.

Transfers to: UC, CSU

MATH 191 is a semester course which continues the study of calculus begun in MATH 190. The course includes several techniques of integration, improper integrals, antiderivatives, application of the definite integral, differential equations, and approximations using Taylor polynomials and series. This course is required of engineering, physics, and mathematics majors.

0857 TTh 9:00-11:30 AM WANG G Rm S200

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

**MATH 250
CALCULUS III**

4 Units/Prerequisite: MATH 191 with a grade of "C" or better.

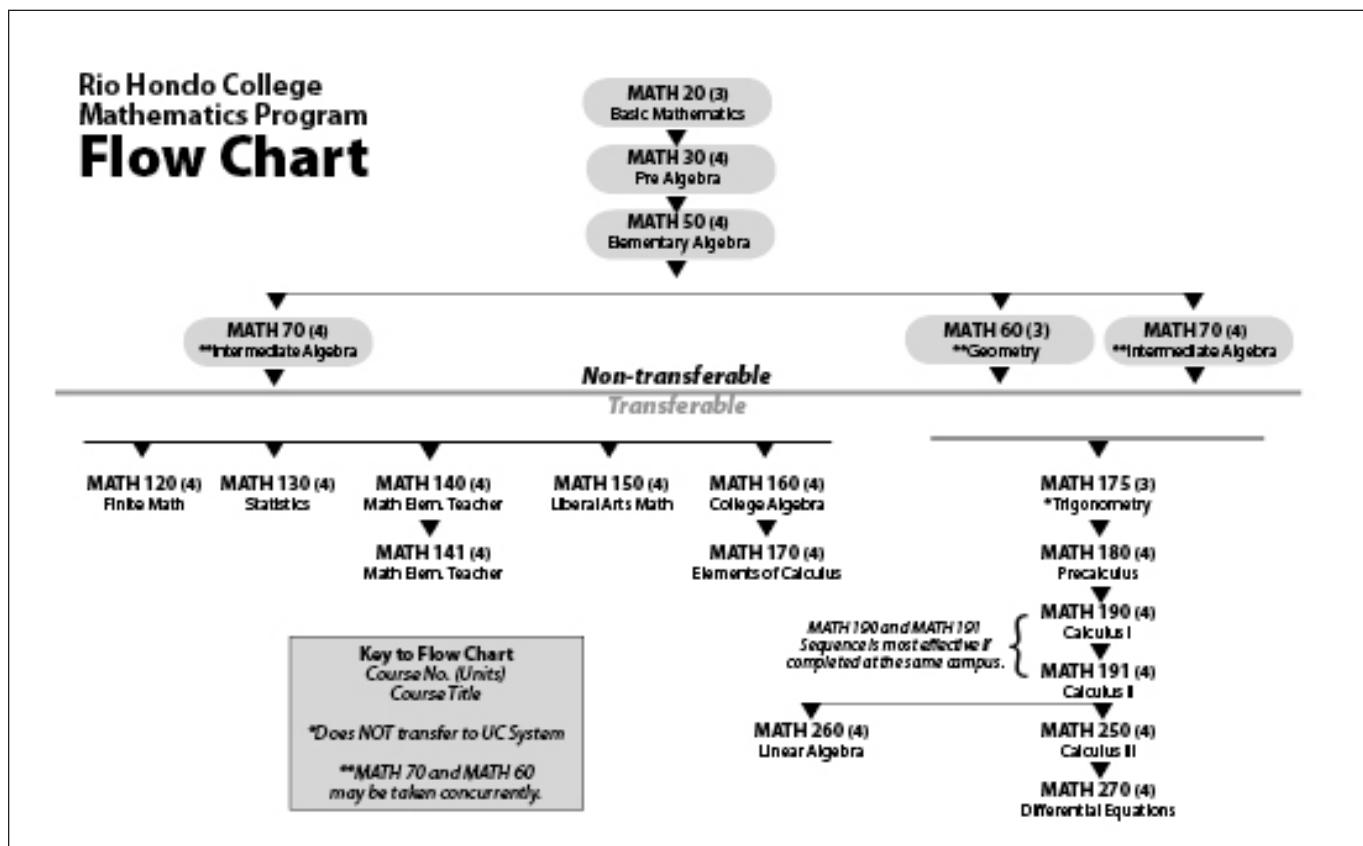
Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 101 or appropriate assessment.

Transfers to: UC, CSU

This course involves a study of functions of two or more variables using the principles of calculus, vector analysis, and parametric equations. Included is a study of solid regions using partial differentiation, vector analysis, and multiple integration. This course also includes a study of vector calculus topics, such as line and surface integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem. This is the third course of the calculus sequence required of engineering, physics, and mathematics majors.

0858 TTh 10:15 AM-12:45 PM LITTRELL M Rm S129

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)



SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM	SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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MATHEMATICS, CONTINUED

MATH 260

LINEAR ALGEBRA

4 Units/Prerequisite: MATH 191 with a grade of "C" or better.

Transfers to: UC, CSU

This course is an introductory study of linear algebra with applications to problems in the physical and social sciences. It includes a study of systems of linear equations, vector and matrix equations, matrix algebra, vector spaces, Eigenvalues and Eigenvectors, orthogonality, least squares, symmetric matrices and quadratic forms. This course is required of engineering, physics, computer science and mathematics majors.

0869 TTh 8:00-10:05 AM BRONKAR R Rm S330

(Graphing calculators may be required. Contact the Math Dept. for recommended models.)

MATH SCIENCE CENTER (MSC)

INDIVIDUALIZED STUDY

NON-CREDIT

Open Entry/Open Exit tutorial program in mathematics. For more information, contact Elaine Hemenway (562) 463-7571.

5051 Wkly hrs by arrangement HEMENWAY E Rm S300

299 DIRECTED STUDY

1-3 Units

SEE description in GENERAL INFORMATION

Times to be Arranged STAFF

MUSIC
DIVISION OF ARTS & CULTURAL PROGRAMS

MUSIC 101

FUNDAMENTALS OF MUSIC FOR NON- MUSIC MAJORS

3 Units/Advisory: Eligibility for READ 23 and ENGL 35

Transfers to: UC, CSU

This is a beginning course designed for the student interested in the fundamentals of music theory. Included in the course will be a study of basic notation, rhythm reading, major and minor scale construction, simple musical analysis and basic chord construction.

0697 MW 9:40-11:05 AM LIVINGSTON J Rm M111

0430 TTh 8:05-9:30 AM BROWN L Rm M124

0692 TTh 9:40-11:05 AM BROWN L Rm M124

★ 0691 Th 7:00-10:10 PM MOSHIER S Rm M124

MUSIC 103

MUSIC THEORY I

3 Units/Prerequisite: Completion of MUSIC 101 with a "C" or better.

Transfers to: UC, CSU

This course is designed for the student who wants to study the basic materials of harmony and musicianship: scales, keys, intervals, chords, chord connections, part writing, and inversions. Also included is ear training, melodic and harmonic dictation, and harmonic analysis. Required of all music majors.

0701 TTh 2:20-3:45 PM MOSHIER S Rm M111

MUSIC 106

MUSICIANSHIP I

2 Units/Prerequisites: MUSIC 101 with a "C" or better. Advisory: READ 023 or appropriate assessment.

Transfers to: UC, CSU

This course is designed for the student who wants to develop aural skills, sight-reading, sight-singing and rhythmic interpretation skills. It is recommended for all instrumentalists, singers and composers. This course may be taken once and repeated three times for credit to increase and improve skill levels. Students should also enroll in MUSIC 180, Music Laboratory.

0693 MW 3:15-4:20 PM MOSHIER S Rm M111

MUSIC 107

MUSICIANSHIP II

2 Units/Prerequisite: MUSIC 106

Transfers to: UC, CSU

This course is designed for the student who wants to further develop aural skills, sight-reading, sight-singing and rhythmic interpretation skills beyond the beginning level. It is recommended for all instrumentalists, singers and composers. This course may be taken once and repeated three times for credit to increase and improve skill levels. Students should also enroll in MUSIC 180, Music Laboratory.

0640 MW 3:15-4:20 PM MOSHIER S Rm M111

★ = Evening

☎ = Online/Hybrid Classes

MUSIC 110

COMMUNITY COLLEGE ORCHESTRA

1 Unit/Advisory: MUSIC 101

Transfers to: UC, CSU

This course is designed for the instrumental music student who wants to become familiar with the vast body of orchestral music. It provides players an opportunity to develop their own musical capabilities as well as participating in ensemble playing. Students are expected to provide their own instruments. This course may be taken once and repeated three times for credit.

★ 0773 M 6:00-9:10 PM CARNAHAN D Off Campus

(Section # 0773 meets at Whittier High School, 12417 E. Philadelphia Avenue, Whittier, 90601)

MUSIC 116

MUSIC ENSEMBLE FOR DIVERSE INSTRUMENTS

2 Units

Transfers to: UC, CSU

This course is designed to prepare the electric and acoustic instrumental student, the vocal student, and the novice to perform together in one ensemble. The ensemble content, which will depend upon the instrumental and vocal makeup of the class, will include a diversity of approaches that might include Latin, Asian, Popular and Contemporary Classical Music. This course may be taken once and repeated three times for credit.

0716 TTh 11:15 AM-1:25 PM MOSHIER S Rm M109

MUSIC 117

ADVANCED REHEARSAL AND PERFORMANCE

2 Units/Prerequisite: MUSIC 116

Transfers to: UC, CSU

This course is designed for the more advanced electric, acoustic instrumental, and vocal students who seek an opportunity to perform together as an ensemble. The repertoire, which will depend upon the instrumental and vocal makeup of the class, will include a diversity of approaches that might include Latin, Asian, Popular and contemporary Classical Music. This course may be taken once and repeated three times for credit.

0704 TTh 11:15 AM-1:35 PM MOSHIER S Rm M109

NCOA 002

MUSIC WORKSHOP

0 Units

This non-credit course is intended for students who have taken the Ensemble for Diverse Instruments the maximum number of times.

5045 TTh 11:15 AM-1:35 PM MOSHIER S Rm M109

MUSIC 119

ADVANCED COLLEGE COMMUNITY ORCHESTRA

1 Unit/Prerequisite: MUSIC 110

Transfers to: CSU

This course is designed for the more advanced instrumental music student who wants to become more familiar with the vast body of orchestral music. It provides advanced players an opportunity to further develop their own musical capabilities as well as participate in ensemble playing. Students are expected to provide their own instruments. This course may be taken once and repeated three times for credit.

★ 0162 M 6:00-9:10 PM CARNAHAN D OFF CAMPUS

(Section # 0162 meets at Whittier High School, 12417 E. Philadelphia Avenue, Whittier, 90601)

Music in Film

MUSIC 135
Section #0723
TTh 1:35-3:00 PM



Learn about the art and craft of film as practiced by prominent film composers and sound designers from the 1930's to the present. This brand new class is designed for students interested in learning how music influences film.