

EAST CENTRAL JUNIOR COLLEGE

THE CURRICULUM: COURSES OF INSTRUCTION

The first digit of a course number refers to academic level of the course; courses numbered 100 are designated primarily for freshmen, courses numbered 200 for sophomores.

The third digit of a course number refers to the number of semester hours credit given for that course. Thus, History 133 earns for the student three hours credit.

The college reserves the privilege of withdrawing any course for which there is not sufficient enrollment.

COURSE DESCRIPTIONS

	ART
Art 102	Art Appreciation I
	Prerequisite: none
Art 112	Art Appreciation II
	Prerequisite: none
Art 113	Introduction to Art
Art 123	Sculpture I
32	Prerequisite: none

Art 133

Prerequisite: none

Art 143

Prerequisite: Art 133 or consent of the instructor.

Art 153

Prerequisite: Art 123 or consent of the instructor.

Art 163

Prerequisite: Art 143

Art 213

Prerequisite: Art 113 and 122 or consent of the instructor. Design.....3 hours Art 223 Exploration of space, line, color, shape, and texture as the basic elements in visual expression. The application of elements is stimulated by a wide variety of projects stressing creative ability. Prerequisite: Art 113 or consent of the instructor. Watercolor3 hours Art 233 The study of watercolor painting with emphasis upon color and composition and pictorial expression; experimentation with varied methods of watercolor painting. Studies will include washes and brush control. Prerequisite: Art 113 or consent of the instructor. Printmaking......3 hours Art 243 Lecture and laboratory exercises dealing with history and techniques of printmaking. Also, the making or prints from material such as wood blocks,

BIOLOGICAL SCIENCE

techniques will be included.

cardboard, and linoleum by using surface printing

Prerequisite: Art 113 or consent of the instructor.

Prerequisite: none

Prerequisite: none

Bio 145

Prerequisite: none

Bio 155

Prerequisite: none

Bio 224

Prerequisite: none

Bio 235

Prerequisite: Biology 155 or consent of the instructor.

Bio 271, 281, 291

Directed Studies (Honors) in Biology...........1 hour The biology internship provides two alternatives a student may pursue: (1) investigation or studying independently a specific prearranged topic, within the field of biological science, (2) assistiparimarily in the laboratory, or in lecture who peer groupings are being utilized.

Prerequisite: Consent of the instructor

BUSINESS

Bus 103

Prerequisite: none

Bus 213

Prerequisite: none

Bus 223

Prerequisite: Business 213

CHEMISTRY

Chem 105

Prerequisite: none

Chem 115

Prerequisite: A satisfactory score on the Missouri Math Placement Test and either Chem 105 or high school chemistry.

Chem 125

Prerequisite: Chem 115

Chem 234-5

Quantitative Analysis.......4-5 hours A study of the fundamental principles of quantitative analytical chemistry, including gravimetric and volumetric determinations. Two hour lecture and two or three three-hour laboratory periods per week.

Prerequisite: Chem 125

Chem 245

Prerequisite: Chem 105 or Chem 115

DRAFTING AND DESIGN TECHNOLOGY

Prerequisite: none

Prerequisite or corequisite: Drafting 113

Prerequisite: Drafting 113

Prerequisite: Drafting 113

include a review of ferrous and nonferrous metals, plastics, rubbers, and ceramics. Emphasis is placed on the advantages and limitations of the various casting, forging, machining, grinding, forming, molding, welding, heat treating, and powder metallurgy processes used to shape materials. New materials and industrial processes will be surveyed as they evolve.

Prerequisite: none

Draft 172

Prerequisite: Physical Science 115 or Physics 114

Draft 182

Prerequisite: none

aft 202

Prerequisite: Drafting 113 and 143

Draft 222

cal solutions are kept to a minimum, but are used when graphics become too involved or confusin

Prerequisite: Drafting 113

Draft 233

Prerequisite: Drafting 113

Draft 243

Prerequisite: Drafting 143

Draft 252

Prerequisite: Math 133 or consent of the instructor.

Draft 263

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Prerequisite: Drafting 113, 243 or consent of the instructor

Draft 293

Structural Drawing......3 hours The course concentrates on detailing and delineating the structural systems encountered in architectural and civil construction. Systems included will be those based on materials including wood, steel and concrete components. Shop drawings and erection drawings will be covered.

Prerequisite: Drafting 113

ECONOMICS

Econ 213

Principles of Macro-Economics.....3 hours The social control of the economic system by means of monetary, fiscal, and regulatory policies of the government and by the market process.

Prerequisite: none

Econ 223

Principles of Micro-Economics3 hours An intensive study of the tools of economic analysis and their application to problems of business and public policy, with an emphasis on firms, households, and markets.

Prerequisite: none

EDUCATION

Ed 113

Introduction to Education3 hours An introduction to all facets of American education including its historical background, its role in today's world, organization and administration, areas of education, personnel in education, provisions for educational materials and environment, and interpretation of education.

Prerequisite: none

ENGINEERING

Engr 113

Engineering Drawing3 hours A course in orthographic projections (multiview, sections, auxiliaries), isometric and oblique drawing and simple dimensioning. Emphasis is given to interpretation of drawings, technique of sketchin care and use of drafting instruments, and preparation and interpretation of graphs and charts.

Prerequisite: none

ENGLISH

Prerequisite: appropriate score on the Missouri College English Test and consent of the instructor.

Prerequisite: English 103 and/or consent of the instructor

Eng 123H

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Prerequisite: demonstrated proficiency on the Missouri English Placement Test and on a writing sample.

tion but will be required to take a literature course to fulfill the English graduation requirement.

Prerequisite: demonstrated high proficiency on the Missouri English Placement Test and on a writing sample.

Eng 133

Prerequisite: English 123

Eng 143

Technical Writing2-3 hours Introduction to the practical aspects of preparing reports. The emphasis is on the techniques of collecting and presenting scientific data by means of formal and informal reports. Also included are other elements of communication concerning science and industry.

Prerequisite: One previous composition course.

Eng 153

Eng 213

Prerequisite: English 103 or English 123, or English 123 may be taken concurrently.

Prerequisite: English 123 and sophomore standing, or consent of the instructor.

Eng 223

Prerequisite: English 123 and sophomore standing, or consent of the instructor.

GEOGRAPHY

Geog 103

Prerequisite: none

GEOLOGY

Geol 115

Prerequisite: none

HISTORY

Hist 113

Prerequisite: none

y Hist 123

Prerequisite: none

Hist 213 Western Civilization......3 hours A survey of Ancient Near Eastern Civilization, including Egypt, Mesopotamia, and Israel; the classical civilizations of Greece and Rome; Christianity and Medieval Europe; Islam; and the cultural and religious changes of the Renaissance and Re-

formation. Attention is given to political developments, cultural achievements, and literary docu-

ments of each area.

Prerequisite: none

Western Civilization II......3 hours Hist 223 A survey of the cultural, economic, intellectual, political, and social forces which have shaped Western Euorpe and its areas of influence since

the end of the fifteenth century.

Prerequisite: none

MASS MEDIA TECHNOLOGY

M Med 113 History and Principles of Journalism3 hours A study of the history of American Journalism and its role in American culture, as well as a study of the underlying principles necessary for its successful practice today.

Prerequisite: none

Med 123 Reporting I...... 3 hours A study of methods of news evaluation, news gathering, and news writing with actual writing assignments as an integral part of the course work.

Prerequisite: none

 M Med 142 Publications Practicum2 hours Production of College Newspaper and College Yearbook.

Corequisite: M Med 123

M Med 152 Training in the step-by-step production of a newspaper in an actual newspaper backshop. Work in both offset and letterpress printing methods, techniques of typesetting, make-up and press work.

> Prerequisite: none 45

M Med 213	Community Newspaper			
	Prerequisite: M Med 123			
M Med 223	Reporting II			
	Prerequisite: M Med 123			
M Med 233	Modern Newspaper Design3 hours Study of copyediting and modern newspaper and advertising design.			
	Prerequisite: Eng 123 or consent of the instructor			
M Med 243	Photojournalism I			
	Prerequisite: M Med 113 and 123			
M Med 253	Photojournalism II			
	Prerequisite: M Med 243			
	MATHEMATICS			
Math 100	Basic Algebra			

Prerequisite: none

Math 103

Prerequisite: none

Math 113

Math 123

Prerequisite:

Math 133

Prerequisite: none

/ Math 143

graphs, logarithms, and application of numerical trigonometry and vectors.

Prerequisite: Math 123

Math 153

Prerequisite: Math 103 or satisfactory score on Missouri Math Placement Test

Math 162

Prerequisite or corequisite: Math 153 or 163

Math 163

Prerequisite: Three years of high school mathematics and/or satisfactory score on the Missouri Math Placement Test or Math 153.

Math 165

Prerequisite: Math 163 and Math 162 or satisfactory score on placement tests.

Math 175

Analytic Geometry and Calculus II5 hours A continuation of Math 165 including the following topics: applications of the definite integral, logarithmic and exponential functions, trigonometric functions, techniques of integration, approximate integration, polar coordinates, conic sections, and vectors, and parametric equations.

Prerequisite: Math 165

Math 285

Prerequisite: Math 175

Math 295

Prerequisite: Math 285

MID-MANAGEMENT

MidM 213

overall role of marketing in the economy are covered, the major emphasis will be concerned with the types of problems confronting those involved in marketing management.

Prerequisite: none

MidM 223

Prerequisite: none

MidM 233

Prerequisite: none

MidM 243

Prerequisite: none

MidM 252

Prerequisite: none

MidM 263

lishments; store location, policies, sales systems, control of inventories, personnel, store publicity and advertising; summaries for management control.

Prerequisite: none

MidM 273

Personnel Management3 hours An evaluation and comparison of private and public personnel practices and techniques of recruiting, selecting, transferring, promoting, classifying, and training workers.

Prerequisite: none

MidM 283

Business Law3 hours A study of those areas of the law which affect most businesses: sales and credit, contracts, insurance, agency and employment, commercial paper, and personal property and bailments.

Prerequisite: none

292, 293

MidM 291, 292 Internship......1-3 hours This phase of the student's mid-management training will include actual work experience in a retail business with weekly discussions of the problems involved in applying classroom principles to the job.

Prerequisite: none

MUSIC

Mus 102

A basic study of music, including notation, scales, intervals, chords, and rhythms; intended for the elementary education major and those not majoring in music.

Prerequisite: none

Mus 113

Music Appreciation.....3 hours A survey of the development of music, intended to provide a background for the understanding and appreciation of music. Recommended for music majors and minors as well as non-music majors.

Prerequisite: none

Theory I.....5 hours Mus 115 A beginning course in music theory, study of in tervals, triads, four part diatonic harmony, con nection of triads and their inversions. Sight singing, dictation, and elements of music; aural recognition of all diatonic intervals; melodic phrases and rhythms. Two hours laboratory. Prerequisite: none Music Theory II......5 hours Mus 125 A second course in music theory, extending into areas of seventh chords and non-harmonic tones. Two hours laboratory. Prerequisite: Music 115 Music Theory III5 hours Mus 215 A third course in music theory. A study of chromatic harmony including secondary dominants, modulation, and altered chords. Two hours labor-Prerequisite: Music 125 Music Theory IV......5 hours Mus 225 A continuation of Music 215 to more complex areas of chromatic borrowed and altered chords, and finally to the vigorous appearance of complex modern techniques. Two hours laboratory. Prerequisite: Music 215 Mus 111, 121, College Choir1 hour Open to all students interested in singing in the Col-211, 221 lege Choir who had had chorus or choir experience on the high school level. Credit will be given for participation each semester in accordance with the course numbering shown. Prerequisite: none College Band......1 hour Mus 111, 121, Open to all students interested in participating in 211, 221 concert band, pep band and stage band, who have participated in a band organization on the high

school level.

Prerequisite: none

Mus 111-222 Applied music is offered in the following areas: piano, voice, brass and woodwind instruments.

Prerequisite: none

Additional courses in music education will be offered as the demand dictates. Such courses as Teaching Elementary Music, Teaching Secondary Music, Techniques of Teaching Instrumental Music, Vocal Music in the Secondary School may be offered within the near future.

PHYSICAL EDUCATION

PE 101, 111, 201, 211	Physical Education for Men I, II, III, and IV	irce
	Prerequisite: none	
PE 121, 131, 221, 231	Physical Education for Women I, II, III, and IV	irca
	Prerequisite: none	
PE 112	Introduction to Physical Education	oor-
	Prerequisite: none	
PE 122	Community Recreation	un-
	Prerequisite: none	
PE 212	First Aid	29
1	Prerequisite: none	53

PHILOSOPHY

Phil 113

Prerequisite: none

PHYSICS

Phy 114

Prerequisite: Math 152 and Math 153 or consent of the instructor

Phy 215

Corequisite: Math 175

Phy 225

Prerequisite: Phy 215

Corequisite or prerequisite: Math 285

POLITICAL SCIENCE

ol S 113

Prerequisite: none

Pol S 123

American State and Local Governments3 hours An introductory survey of state constitutions, legislative, executive and judicial organization, and powers and principal activities of the states. Emphasis will be upon state-local relations, countymunicipal governments, and the growth and problems of metropolitan areas.

Prerequisite: none

Pol S 213

Prerequisite: Pol S 113 or consent of the instructor

PSYCHOLOGY

Psyc 113

Prerequisite: none

Educational Psychology.....3 hours Psyc 223 A study of theories and facts concerning human behavior in such areas as motivation, learning and social development, as applied to the educational process. Prerequisite: Psychology 113 or consent of the instructor SECRETARIAL SCIENCE Elementary Typewriting......2 hours ScS 112 Techniques in touch typewriting; development of basic skill and speed; form, style, and arrangement of typewritten material. Prerequisite: none Intermediate Typewriting......2 hours ScS 122 Further development of typewriting skills with special attention given to speed building and control. Continued instruction in letter styles, tabulations, reports, and forms.

Prerequisite: ScS 112 or speed of at least 40 wpm for five minutes with a maximum of five errors.

Prerequisite: Scs 122

Prerequisite: ScS 112 or concurrent enrollment

Prerequisite: ScS 113 and ScS 112; corequisite: SecS 122

ScS 133	Advanced Shorthand
	Prerequisite: ScS 122 and 123
SeS 143	Office Machines
	Prerequisite: ScS 112 or equivalent
SeS 212	Filing and Records Management
	Prerequisite: ScS 112 or concurrent enrollment
ScS 213	Business Communications
	Prerequisite: one previous English composition course and ScS 112
SeS 223	Secretarial Procedures
ScS 291, 292 293	Internship

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ledge learned in previous courses. Supervision on the job will be by office personnel. Coordination work experience to classroom learning will be done by the instructor. Time will be arranged.

Prerequisite: Consent of the instructor

SOCIOLOGY

Prerequisite: none

Prerequisite: Sociology 113

Prerequisite: sophomore standing or consent of the instructor.

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Soc 203

and function of wider forms of social organization.

Prerequisite: Consent of the instructor

SPANISH

Prerequisite: none

Prerequisite: Spanish 115 or two units of high school Spanish.

Prerequisite: Spanish 125 or the equivalent

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Prerequisite: Spanish 125 or the equivalent.

SPEECH

Prerequisite: none 59

FACULTY

EAST CENTRAL JUNIOR COLLEGE 1970-71

(Dates indicate year of appointment)

Lee M. Adams, Instructor of English, 1970 B.A.—State University of Iowa (Iowa City) M.A.—Northeast Missouri State Teachers College (Kirksville) Additional Study—University of Bochum (Bochum, Germany)

Elizabeth Adamson, Assistant Instructor of Speech, 1970
 B.S.—University of Missouri (Columbia)
 Master's Candidate—University of Missouri (Columbia)

Leroy H. Alt, Instructor of Mathematics and Physics, 1969 Chairman, Division of Mathematics and Science, 1969 B.S.—University of Missouri (Rolla) M.S.—University of Missouri (Rolla) Additional Study—Washington University (St. Louis)

Ron L. Beeler, Instructor of Mathematics, 1970 B.S.—Northeast Missouri State Teachers College (Kirksville) M.A.—Indiana University (Bloomington)

George J. Biller, Jr., Assistant Instructor of Drafting, 1969 B.S. (Mechanical Engineering)—University of Missouri (Columbia)

William H. Skip Boyer, Instructor of Journalism and Public lations Assistant, 1970

B.A.—Hastings College (Nebraska)

M.S.-Kansas State University (Manhattan)

Ralph A. Burns, Instructor of Chemistry and Mathematics, 1969 B.S.—Central Missouri State College (Warrensburg) M.S.—Central Missouri State College (Warrensburg)

H. Duane Campbell, Business Manager (Business), 1969
 A.A.—Southwest Baptist College (Bolivar)
 B.S.—Central Missouri State College (Warrensburg)

Edward B. Conway, Instructor of Business, 1969
Chairman, Division of Social and Behavioral Sciences, 1970
B.S.—St. Louis University
M.S. in C—St. Louis University
Additional Study—St. Louis University
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