

aspect of our society. The course provides an overview of the legal system, sources of law, and legal analytical models. In addition, the course covers specific applications of law from the environment to business to personal relationships. Legal case analysis and legal research are components of the class.

LGLS 4050 LEGAL TRANSACTIONS 3.0

Legal Transactions and Risk: Prerequisite: none. CSP: 1, 6. Requires a 2.5 GSU GPA and 45 semester hours. This course examines legal transactions in the corporate environment (from the formation of contracts and sales agreements to the use of commercial paper, secured transactions, bankruptcy, and insurance) to create legal certainty, strategically manage corporate risk, and comply with the increased internal controls imposed by the SarbanesOxley Act of 2002.

LGLS 4389 DIR READ IN LEGAL STUDIES 1.0 to 3.0

Directed Readings in Legal Studies. Prerequisite: BusA 2106, consent of instructor.

LGLS 4490 REAL ESTATE LAW 3.0

Real Estate Law. Prerequisite: none. Requires a 2.5 GSU GPA and 45 semester hours. This course is designed to provide the business student with a background in the nature, sources, and basic principles of modern real estate law. Topics include real property law, sales transaction contracts, general agency law, deeds and titles, methods of transferring title to real estate, mortgages, liens, land use control, landlord/tenant relationships, and legal analysis through traditional and electronic databases.

MATH=MATHEMATICS

MATH 0098 ELEMENTARY ALGEBRA 4.0

Elementary Algebra. (Formerly LSP 0098.) Topics include review of real numbers (order of operations, fractions, decimals, percents, and integers), solving and graphing linear equations and inequalities, operations with polynomials. An introduction to solving systems of linear equations and inequalities, factoring, and operations with rationales. Applications will be emphasized.

MATH 0099 INTERMEDIATE ALGEBRA 4.0

Intermediate Algebra. (Formerly LSP 0099.) A transition from elementary algebra to college algebra. Topics include operations with radicals, graphing of linear and nonlinear functions, algebra of linear and nonlinear functions, systems of linear equations and inequalities, review of factoring and quadratic functions. Applications will be emphasized.

MATH 1070 ELEMENTARY STATISTICS 3.0

Elementary Statistics. Prerequisite: High School Algebra II or equivalent. Descriptive statistics, basic probability, and distribution of random variables, estimation and hypothesis tests for means and proportions, regression and correlation, analysis of count data.

MATH 1090 HONORS STATISTICS 3.0

Honors Statistics. Prerequisite: consent of Honors Program director. Nondeterministic conceptualizations of phenomena as a foundation for inference. Descriptive and inferential methods of statistics, including synopses of real experiments, means, variances, regression and correlation, probability, sampling, hypotheses testing.

MATH 1101 INTRO TO MATHEMATICAL MODELING 3.0

Introduction to Mathematical Modeling. Prerequisite: High School Algebra II or equivalent. Three lecture hours a week. Mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore realworld data and phenomena. Emphasis is on the use of elementary functions to investigate and analyze applied problems and questions, on the use of appropriate supporting technology, and on the effective communication of quantitative concepts and results.

MATH 1111 COLLEGE ALGEBRA 3.0

College Algebra. Prerequisite: Math 0099 with grade of C or higher or a suitable score on the math placement test. Graphs; equations and inequalities; complex numbers; functions; polynomial, rational, exponential, and logarithmic functions; and linear systems.

MATH 1113 PRECALCULUS 3.0

Precalculus. Prerequisite: Math 1111 with grade of C or higher or a suitable score on the math placement test, or departmental approval. Trigonometric functions, identities, inverses, and equations; vectors; polar coordinates; conic sections.

MATH 1220 SURVEY OF CALCULUS 3.0

Survey of Calculus. Prerequisite: Math 1111 with grade of C or higher. Differential and integral calculus of selected realvalued functions of one and several real variables with applications.

MATH 2008 FOUND NUMBERS & OPERATIONS 3.0

Foundations of Numbers and Operations. Prerequisite: Math 1001, Math 1101, Math 1111, or Math 1113 with grade of C or higher. This course is an Area F introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of number and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics.

MATH 2211 CALCULUS OF ONE VARIABLE I 4.0

Calculus of One Variable I. Prerequisite: Math 1113 with grade of C or higher or a suitable score on the math placement test. Limits and Continuity, Differentiation, Mean Value Theorem for Derivatives; applications of differentiation; definition of the integral; Fundamental Theorem of Calculus; applications of integration to area.

MATH 2212 CALCULUS OF ONE VARIABLE II 4.0

Calculus of One Variable II. Prerequisite: Math 2211 with grade of C or higher. Applications and techniques of integration; transcendental and trigonometric functions; polar coordinates; infinite sequences and series; indeterminate forms; improper integrals.

MATH 2215 MULTIVARIATE CALCULUS 4.0

Multivariate Calculus. Prerequisite: Math 2212 with grade of C or higher. Realvalued functions of several variables, limits, continuity, differentials, directional derivatives, partial derivatives, chain rule, multiple integrals, applications.

MATH 2420 DISCRETE MATHEMATICS 3.0

Discrete Mathematics. Prerequisite: Math 1113 or 1220 with grade of C or higher. Introduction to discrete structures which are applicable to computer science. Topics include number bases, logic, sets, Boolean algebra, and elementary concepts of graph theory.

MATH 3000 BRIDGE TO HIGHER MATHEMATICS 3.0

Bridge to Higher Mathematics. Prerequisites: Math 2212 and Math 2420 with grades of C or higher. Topics from set theory, real numbers, analysis, and algebra, which illustrate a formal approach to the presentation and development of mathematical concepts and proofs.

MATH 3030 MATH MODELS FOR COMPUTER SCI 3.0

Mathematical Models for Computer Science. Prerequisites: Math 2420 and 2215 with grades of C or higher. This course will not be accepted as part of the requirements of a major in mathematics. Elements of mathematical modeling including: probability, distributions of random variables, sampling, statistical inference, transforms, operators, vector analysis; elements of linear algebra.

MATH 3050 GEOMETRY AND SPATIAL SENSE 3.0

Geometry and Spatial Sense. Prerequisite: Math 2030 or Math 2008 with grade of C or higher. Building on Euclidean geometry this course is designed to develop a more visual understanding of geometry and enhance geometric intuition in two and threedimensions. Topics include

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measurement, twodimensional geometry, threedimensional geometry, spherical geometry, symmetry, tessellations, efficient shapes, transformations.

MATH 3070 INTRO: PROBABILITY & STATISTICS 3.0

Introduction to Probability and Statistics. Prerequisite: Math 2030 or Math 2008 with grade of C or higher, or consent of instructor. Three lecture hours a week. This course will not be accepted as a part of the requirements for a major in mathematics. This course is intended to provide an overview of the basics of probability and descriptive statistics. Various forms of technology will be used.

MATH 3090 ALGEBRAIC CONCEPTS 3.0

Algebraic Concepts. Prerequisite: Math 2030 or Math 2008 with grade of C or higher. This course will not be accepted as a part of the requirements for a major in mathematics. This course is designed to broaden understanding of fundamental concepts of algebra with particular attention given to specific methods and materials of instruction. The principle algebra topics to be taught in this course are: the Language of Algebra; Patterns, Relations, and Functions; and Balance, Equations, and Inequalities.

MATH 3260 DIFFERENTIAL EQUATIONS 3.0

Differential Equations. Prerequisite: Math 2215 with grade of C or higher. Firstorder equations, linear differential equations with special emphasis on constant coefficient and Euler equations, systems of equations, applications.

MATH 3300 PROBLEM SOLVING WITH COMPUTERS 3.0

Problem Solving with Computers. Prerequisite: Math 3000 with grade of C or higher. Three lectures a week. This course explores various mathematical contexts and develops mathematical knowledge necessary to solve, or attempt to solve, mathematical problems in the computer enhanced environment. The problems come from many sources and contexts. Computer programs such as Maple, Matlab, spreadsheets, Geometer's Sketch Pad, Study Works, etc. will be used. No previous experience with computers is required.

MATH 3420 APPLIED COMBINATORICS 3.0

Applied Combinatorics. Prerequisite: Math 2212 or Math 2420 with grade of C or higher. Counting principles; topics include combinations, permutations, generating functions, recurrence relations, principle of inclusion and exclusion, and Polya's theory of counting.

MATH 3435 INTRODUCTORY LINEAR ALGEBRA 3.0

Introductory Linear Algebra. Prerequisites: Math 2215 and 3000 with grades of C or higher. Theory and applications of matrix algebra and linear transformations. Topics include linear equations, vector spaces, matrices, subspaces, and bases.

MATH 3610 SPECIAL PROB AND SOLVING STRAT 3.0

Special Problems and Solving Strategies. Prerequisite: Math 2212 with grade of B or higher, or consent of instructor. The course will concentrate on developing solving strategies of difficult mathematical problems which require creativity and profound understanding of mathematics. Among topics to be covered: induction and pigeonhole principle, arithmetic, algebra, summation of series, intermediate real analysis, inequalities.

MATH 3690 HONORS READINGS 1.0 to 3.0

Honors Readings. Prerequisite: consent of Honors Program director. Discussion and readings on selected topics.

MATH 3820 HIST/CULT DEVELOPMENT OF MATH I 3.0

Historical and Cultural Development of Mathematics I. Prerequisite: Math 1101 or 1111 with grade of C or higher. Three lecture hours a week. Exploration of the historical and cultural development of mathematics between ~3000 B.C. and ~A.D. 1600. Mathematics topics to include the development of arithmetic, geometry (practical, deductive, and axiomatic), number theory, trigonometry, syncopated and symbolic algebra, probability, and statistics.

MATH 3821 HIST/CULT DEVELOPMENT OF MATH II 3.0

Historical and Cultural Development of Mathematics II. Prerequisite: Math 3000 with grade of C or higher. Three lecture hours a week. Exploration of the historical and cultural development of mathematics from ~A.D. 1600 to present. Mathematics topics to include the development of algebraic geometry, logarithms, calculus, nonEuclidean geometry, abstract algebra, probability, and analysis.

MATH 4010 MATHEMATICAL BIOLOGY 3.0

Mathematical Biology. Prerequisite: Math 2212 or Math 1220 with grade of C or higher. (Same as Biol 4010.) This course provides an introduction to the use of continuous and discrete differential equations in the biological sciences. Biological topics will include single species and interacting population dynamics, modeling infectious and dynamic diseases, regulation of cell function, molecular interactions and receptorligand binding, biological oscillators, and an introduction to biological pattern formation. There will also be discussions of current topics of interest such as Tumor Growth and Angiogenesis, HIV and AIDS, and Control of the Mitotic Clock. Mathematical tools such as phase portraits, bifurcation diagrams, perturbation theory, and parameter estimation techniques that are necessary to analyze and interpret biological models will also be covered.

MATH 4211 OPTIMIZATION 3.0

Optimization. Prerequisite: Math 2215 with grade of C or higher. Lagrange multipliers, gradient methods (steepest descent), search techniques, variational methods and control problems; other varying topics such as dynamic programming, nonlinear programming.

MATH 4250 COMPLEX ANALYSIS 3.0

Complex Analysis. Prerequisite: Math 3000 with grade of C or higher. Complex numbers, analytic functions, complex series, Cauchy theory, residue calculus, conformal mapping.

MATH 4253 INTRO TO OPERATIONS RESEARCH 3.0

Introduction to Operations Research. Prerequisite: Math 3435 or 3030 with grade of C or higher. Linear programming, the simplex method, network theory, game theory, Markov analysis, and other topics such as inventory analysis, queuing theory, integer programming.

MATH 4258 VECTOR CALCULUS 3.0

Vector Calculus. Prerequisite: Math 2215 with grade of C or higher. (Same as Phys 4510.) Vector algebra, curvilinear motion, vector fields, gradient, divergence, Laplacian, line and surface integrals, integral theorems.

MATH 4265 PARTIAL DIFFERENTIAL EQUATIONS 3.0

Partial Differential Equations. Prerequisite: Math 3260 with grade of C or higher. (Same as Phys 4520.) Firstorder equations, classification of linear secondorder equations, separation of variables, Fourier series, orthogonal functions, Green's functions.

MATH 4275 APPLIED DYNAMICAL SYSTEMS 3.0

Applied Dynamical Systems. Prerequisites: Math 3260, and Math 3435 or 3030 with grades of C or higher. Three lecture hours per week. An introduction to discrete and continuous dynamical systems. Topics include: phase space; linear and nonlinear systems; structural stability; classification of equilibrium states, invariant manifolds; poincare maps, fixed points and period orbits; stability boundaries; local bifurcations; homoclinic orbits; routes to chaos in dissipative systems; applications from physics, biology, population dynamics, economics.

MATH 4301 COLLEGE GEOMETRY 3.0

College Geometry. Prerequisite: Math 3000 with grade of C or higher. Axioms of planar Euclidean Geometry. The 5th postulate. Congruence and Similarity. Theorem of Thales. Similar Triangles: SAS, AA, and SSS. Theorem of Ceva. The Pythagorean Theorem. Polygons. Circles, secants and tangents, measurement of an angle with respect to a circle. Perimeters, areas, circumference. Inscribed and circumscribed polygons. Coordinate Geometry in the plane. Mirror symmetries, rotations, translations and dilations. Isometries and the fundamental theorem of Euclidean Geometry. Transformations in the plane and tessellations.

MATH 4371 MODERN GEOMETRY 3.0

Modern Geometry. Prerequisite: Math 3000 with grade of C or higher. Euclidean and nonEuclidean geometry, including incidence, order, and the parallel postulate.

MATH 4381 GENERAL TOPOLOGY 3.0

General Topology. Prerequisite: Math 4441 with grade of C or higher. This course is an introduction to the fundamental concepts of pointset topology. Topics to be covered: review of aspects of set theory and logic; topological spaces and continuous functions (basis for a topology, product topology, basis for a topology, order topology, subspace topology, metric topology, quotient topology, homeomorphisms), connectedness and compactness in topological spaces, separation axioms, the fundamental group (homotopy of paths, covering spaces, the fundamental group of the circle, retractions and fixed points).

MATH 4391 INTO TO DIFFERENTIAL GEOMETRY 3.0

Introduction to Differential Geometry and Its Applications. Prerequisite: Math 2215 with grade of C or higher. (Same as Phys 4391.) Three lecture hours a week. The theory of curves and surfaces in parametric and implicit form. Curvature and torsion of a curve; the shape operator and the total and mean curvature of a surface. The GaussWeingarten equations; the Egregium Theorem; surfaces of constant curvature and nonEuclidean geometry. Minimal surfaces; the Gauss Bonnet Theorem; submanifolds in Euclidian spaces, vector fields, differential forms, and the theorems of Frobenius and Stokes. Applications to physics.

MATH 4420 GRAPH THEORY 3.0

Graph Theory. Prerequisite: Math 3000 with grade of C or higher. Introduction to graph theory; topics include structure of graphs, trees, connectivity, Eulerian and Hamiltonian graphs, planar graphs, graph colorings, matchings, independence, and domination. Additional topics may include symmetry of graphs, directed graphs, extremal graph theory and Ramsey theory, graph embeddings, and probabilistic methods in graph theory.

MATH 4435 LINEAR ALGEBRA 3.0

Linear Algebra. Prerequisite: Math 3435 with grade of C or higher. Theory and applications of matrix algebra, vector spaces, and linear transformations; topics include characteristic values, the spectral theorem, and orthogonality.

MATH 4441 MODERN ALGEBRA I 3.0

Modern Algebra I. Prerequisite: Math 3435 with grade of C or higher. Axiomatic approach to algebraic structures, groups, permutations, homomorphisms, and factor groups.

MATH 4442 MODERN ALGEBRA II 3.0

Modern Algebra II. Prerequisite: Math 4441 with grade of C or higher. Rings, integral domains, and fields; polynomials over a field, matrices over a field, algebraic numbers and ideals.

MATH 4444 POLYNOMIALS 3.0

Polynomials. Prerequisite: Math 3000 with grade of C or higher. Three lecture hours a week. The topic of polynomials is one of the oldest in mathematics and has applicability to almost every area of mathematics. The course will use algebra and analysis to study polynomials. Among topics to be covered: roots of polynomials (inequalities, relationship between the root of a polynomial and its derivative), resultants, discriminant, irreducible polynomials, special classes of polynomials (symmetric, cyclotomic, Chebyshev).

MATH 4450 THEORY OF NUMBERS 3.0

Theory of Numbers. Prerequisite: Math 3000 with grade of C or higher. Properties of integers, divisibility, congruence of problems.

MATH 4455 ERROR CORRECTION CODES 3.0

Error Correcting Codes. Prerequisite: Math 3030 or Math 3435 with grade of C or higher. Three lectures a week. This course provides an elementary, yet rigorous introduction to the theory of error correcting

codes. Topics include survey of groups, finite fields and polynomials, linear algebra, Huffman codes, data compression and entropy, linear codes, ReedMuller codes, cyclic codes, BCH codes, and fast decoding BCH codes.

MATH 4460 CRYPTOGRAPHY 3.0

Cryptography. Prerequisite: Math 3030 or Math 3435 with grade of C or higher and the ability to program highlevel language. Three lectures a week. This course covers the mathematical background of computational and algorithmic methods for cryptography. This includes information theory, computational complexity and number theory. Methods covered include public key cryptosystems and secure methods for authentication and digital signatures.

MATH 4544 BIostatISTICS 3.0

Biostatistics. Prerequisites: Math 2211 and Biol 1104K or Biol 1108K or Biol 2108K with grades of C or higher. (Same as Biol 4744.) Degree credit will not be given for both Math 4544 and 4547. Principles and methods of statistics as applied to biology and medicine.

MATH 4547 INTRO TO STATISTICAL METHODS 3.0

Introduction to Statistical Methods. Prerequisite: grade of C or higher in a course in calculus. Degree credit will not be given for both Math 4544 and 4547. Data analysis, sampling, and probability; standard methods of statistical inference, including ttests, chisquare tests, and nonparametric methods. Applications include use of a statistical computer package.

MATH 4548 METH OF REGRESSION/ANAL OF VAR 3.0

Methods of Regression and Analysis of Variance. Prerequisites: grade of C or higher in a course in calculus, and a course covering methods of statistical inference. Simple and multiple regression, model selection procedures, analysis of variance, simultaneous inference, design and analysis of experiments. Applications include use of a statistical computer package.

MATH 4610 NUMERICAL ANALYSIS I 3.0

Numerical Analysis I. Prerequisites: Math 2215 with grade of C or higher and the ability to program in a highlevel language. (Same as CSc 4610.) Nature of error; iteration; techniques for nonlinear systems; zeros of functions; interpolation; numerical differentiation; NewtonCotes formulae for definite integrals; computer implementation of algorithms.

MATH 4620 NUMERICAL ANALYSIS II 3.0

Numerical Analysis II. Prerequisites: Math 3030 or 3045 with grade of C or higher, and the ability to program in a highlevel language. (Same as CSc 4620.) Gaussian Elimination for linear systems; least squares; Taylor, predictorcorrector and Runge Kutta methods for solving ordinary differential equations; boundary value problems; partial differential equations.

MATH 4650 INVERSE AND ILLPOSED PROBLEMS 3.0

Inverse and IllPosed Problems. Prerequisites: Math 3030 or 3435, and Math/CSc 4610 or Math/CSc 4620 with grades of C or higher. Three lecture hours a week. Illposed problems that arise in astrophysics, geophysics, spectroscopy, computerized tomography, and other areas of science and engineering are considered in this course. Topics to be covered: a general regularization theory; variational regularization and the discrepancy principle; iterative regularization; convergence analysis and stopping rules; numerical aspects.

MATH 4661 ANALYSIS I 3.0

Analysis I. Prerequisite: Math 3435 with grade of C or higher. Corequisite: Math 4435. The real number system, basic topology of metric spaces, sequences and series, limits and continuity.

MATH 4662 ANALYSIS II 3.0

Analysis II. Prerequisite: Math 4661 with grade of C or higher. Differentiation of real functions, Reimann integrals, sequences and series of functions, differentiation and integration of functions of several variables.

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MATH 4671 TRANSFORMS IN APPLIED MATH 3.0

Transforms in Applied Mathematics. Prerequisite: Math 3030 or Math 3435 with grade of C or higher. The Laplace transform, discrete and continuous Fourier Transforms, ztransforms, discrete filters, and wavelets.

MATH 4751 MATHEMATICAL STATISTICS I 3.0

Mathematical Statistics I. Prerequisite: Math 2215 with grade of C or higher. Probability, random variables and their distributions, mathematical expectation, moment generating functions, sampling distributions.

MATH 4752 MATHEMATICAL STATISTICS II 3.0

Mathematical Statistics II. Prerequisite: Math 4751 with grade of C or higher. Theory of estimation and hypothesis testing, applications of statistical inference, introduction to regression and correlation.

MATH 4767 STATISTICAL COMPUTING 3.0

Statistical Computing. Prerequisites: Math 4752 or 4548, and Math 3435 with grades of C or higher and the ability to program in a highlevel language. Computational implementation of statistical methods such as descriptive statistics, one and two sample tests, regression, correlation, ANOVA methods of estimation, and Monte Carlo techniques. Standard statistical packages will be used as well as userwritten programs.

MATH 4870 HONORS THESIS: RESEARCH 3.0

Honors Thesis: Research. Prerequisites: consent of the instructor and Honors Program director. Readings or research preparatory to Honors thesis or project.

MATH 4880 HONORS THESIS: WRITING 3.0

Honors Thesis: Writing. Prerequisites: Math 4870, consent of the instructor and Honors Program director. Writing or production of Honors thesis or project.

MATH 4982 UNDERGRAD RESEARCH IN MATH 3.0

Undergraduate Research in Mathematics. Prerequisites: at least 12 upperdivision hours in mathematics with grades of C or higher. Authorization required. Independent investigation of topics of common interest to student and instructor.

MATH 4991 SENIOR SEMINAR 3.0

Senior Seminar. Prerequisite: Math 4661 with grade of C or higher. This course introduces students to independent research in mathematics and related areas.

MATH 4998 SELECTED TOPICS 1.0 to 3.0

Selected Topics. Prerequisite: consent of instructor. No more than six credit hours may be applied toward the major. May be repeated if topics are different.

MES=MIDDLE EAST STUDIES

MES 3100 INTRO TO MIDDLE EAST STUDIES 3.0

Introduction to Middle East Studies. Provides an overview of the scholarly study of the region, including basic concepts, historical development and current debates.

MES 3110 THE ANCIENT MEDITERRANEAN 4.0

The Ancient Mediterranean. (Same as Hist 3500.) Political, cultural, religious, economic, and social developments of the Ancient Near East, Greece and Rome and their influence on Western Civilization.

MES 3400 INTRODUCTION TO JUDAISM 3.0

Introduction to Judaism. (Same as ReIS 3400.) Central practices and beliefs of Jewish tradition; historical development of Judaism from its origins to the reestablishment of the state of Israel, with thematic attention given to the concept of Jewish identity. Texts include primary

sources (e.g. Hebrew Bible, Mishnah) in translation, as well as noted Jewish fiction.

MES 3500 INTRODUCTION TO ISLAM 3.0

Introduction to Islam. (Same as ReIS 3500.) Central practices and beliefs of Islam; readings from the Qur'an, hadith and other primary sources (in translation); and contemporary issues in Islam which might include the status of women, Nation of Islam and Islamic fundamentalism and revivalism.

MES 3520 SUFISM & ISLAMIC MYSTICISM 3.0

Sufism & Islamic Mysticism. (Same as ReIS 3520.) The rise of ascetic and mystical tendencies in Islam; the development of Sufism and the Sufi brotherhoods; the conflict between Sufism and Islamic law, and their eventual reconciliation; antiSufi polemics of reformers and fundamentalists in modern times; the continuing importance and vitality of Sufism today.

MES 3710 INTRODUCTION TO JEWISH STUDIES 3.0

Introduction to Jewish Studies. (Same as JSt 3000.) A survey of the Jewish experiences since Biblical times, with special attention to the modern period (c. 1680/1945) and contemporary period (1945present). Students synthesize material drawn from numerous disciplines, including film, history, literature, philosophy and religious studies. The course is facilitated by a lead teacher, with regular guest lectures by faculty and experts from different fields. Topics vary with faculty.

MES 4110 THE MIDDLE EAST, 600 TO 1800 4.0

The Middle East, 600 to 1800. (Same as Hist 3780.) Political, cultural, social and economic development in the lands from Spain to Central Asia since the rise of Islam.

MES 4120 THE MIDDLE EAST SINCE 1800 4.0

The Middle East since 1800. (Same as Hist 3790.) Political, cultural, social and economic development from Morocco to Iran, including imperialism, nationalism, independence and religious revival.

MES 4130 WORLDS OF EASTERN CHRISTIANITY 4.0

Worlds of Eastern Christianity (to 1300). (Same as Hist 4525.) Transformation of the Jesus Movement from a Jewish sect into a separate Christian religion within the Near East, Africa, and entire Mediterranean world; contested views of spiritual authority; development of a network of bishops; idea of orthodoxy and heresy; graduate division of Eastern Christianity and Catholicism; the central role of the multicultural Byzantine Commonwealth implications of royal conversions and ?churchstate? relations; unity and disunity within Eastern Christianity; encounters with Islam; and proliferation of national churches, including those of the Greeks, Syrians, Armenians, Georgians, Copts, Ethiopians, and Slavic peoples.

MES 4140 ANCIENT NEAR EASTERN SOCIETIES 4.0

Origins and Collapse Ancient Near East Societies. (Same as Hist 4510.) History of Egypt, Mesopotamia, Iran, the Levant, Anatolia and Central Asia from 3500 BCE to 323 BCE. Areas of exploration will include the origins of the state; the development of Egyptian and Mesopotamian kingship; the collapses of the Early and late Bronze Age; human environment interactions; nomads and settled societies; Mesopotamian literature; women?s legal status; the Hittite Empire; daily life in an Egyptian village; the invention of the alphabet; Assyrian imperial terrorism; the rise of monotheism; the Persian empire.

MES 4150 ANCIENT PERSIA, GREECE, & ROME 4.0

Ancient Persia, Greece, and Rome. (Same as Hist 4520.) History of Persia, Greece, and Rome from 1800 BCE to 500 CE. Areas of exploration will include Bronze Age Greece in Near Eastern context; the 12th century BCE "Catastrophe"; Archaic Greek religion; the polis; Greek drinking parties and politics; the Persian conquest; the rise of Zoroastrianism; Hellenic syncretism; Parthia and Rome as the heirs of Hellenism; the metropolitan Roman empire; disease and demography in Late Antiquity; and the rise of Christianity.