840. Physical Education for Physically Handicapped
Fall, Winter. 3(2-3) 251, 260.
Physical education and recreation therapy for the physically handicapped with problems concerned with cerebral palsy, paraplegies, amputees, cardiac, diabetic, asthmatic and low level physical fitness conditions.

850. Individual Approval of department.

852. The Curriculum in Physical Education
Principles and content of physical education curricula in schools and colleges.

860. Administration of Physical Education in Schools and Colleges
Fall, Summer. 3(3-0)
Designed to familiarize majors in this and other areas with administrative problems incident to high school and college programs of physical education for men and women.

889. Project in Physical Education
Fall, Winter, Spring. 1 to 10 credits.
May re-enroll for a maximum of 10 credits. Approval of department.

984. Laboratory Internship
Fall, Winter, Spring. 2 to 15 credits.
Supervised laboratory internship for doctoral candidates.

999. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

HISTORY

College of Arts and Letters

103. Survey of the Ancient World
Fall, Winter, Spring. 4(3-1)
A survey of the origins and development of political, economic, social, and religious life in the ancient Mediterranean world from 4000 B.C. to the fall of Rome. For students of all disciplines wishing an introduction to the historiographical method.

104. Survey of the Medieval World
Fall, Winter, Spring. 4(3-1)
A survey of political, economic, social, and religious developments from the fall of Rome to 1500, especially in Western Europe, but also in Byzantium and the Islamic world. For students of all disciplines wishing an introduction to the historiographical method.

105. Survey of Europe in Early Modern Period, 1350-1789
Fall, Winter, Spring. 4(3-1)
A survey of European developments in the era of the Renaissance, Reformation, Enlightenment, and French Revolution. Emphasis on religious and dynamic rivalries, rise of the middle class, and secularization of society. For students of all disciplines wishing an introduction to the historiographical method.

106. Survey of Modern Europe, 1789-1945
Fall, Winter, Spring. 4(3-1)
A survey of political, social, and economic developments in Europe after 1789. For students of all disciplines wishing an introduction to the historiographical method.

117. The Iberian World from Early Modern Times to the Present
Spring. 3(3-0)
Survey of the Iberian Empires and the societies resulting therefrom, with particular emphasis on institutional change and development. Some attention to be devoted to institutional development in other cultures as a basis for comparison.

121. History of the United States: The Federal Union
Fall, Winter, Spring. 4(3-0)
Nature of American history in the period 1783 to 1877. Through a combination of readings, lectures and discussion, the student derives some understanding of both facts and meaning of history and methodology of the historian.

122. History of the United States: The Nation State
Fall, Winter, Spring. 4(3-0)
Nature of American history since 1877. Through a combination of readings, lectures and discussion, the student derives some understanding of both facts and meaning of history, and methodology of the historian.

191. The History of Asia: To the Thirteenth Century
Fall. 3(3-0)
Earliest river civilizations; early empires in India, China, Persia, Cambodia, and Indonesia; Muslim, Hindu, Buddhist, Confucian, and Shinto contributions to Asian life; rise of Mongol power.

192. The History of Asia: Thirteenth to Nineteenth Centuries
Winter. 3(3-0)
Turkish empire; Mongol era in India; Mongol era in China; Japanese civilizations in the years of predation; extension of European power to Asia; beginnings of Russian Asia.

193. The History of Asia: The Modern Age
Spring. 3(3-0)
The era of Western control, Asia responds to Western power; imitation, adjustment, and revolt, rise of Asian communism; new Asian nations.

231. American Biography
Winter. 4(4-0) Juniors.
Lives of interesting individuals who have helped shape the course of American history along with discussion of the nature, method, problems and impact of the biographical approach to history.

235. Military History of the United States
Fall. 3(3-0)
Evolution of United States military policy with emphasis on the causes and conduct of wars, the democratization of war, the implications of the industrial, managerial, and scientific revolutions and the quest for peace.

242. Economic and Business History
Fall, Winter, Spring. 3(3-0)
Survey of major changes in the American economy since the middle of the 19th century, including transportation, industry, labor, finance, and marketing. Role of private business and government in economic change.

250. Contemporary History of Europe and Asia
Fall, Spring. 3(3-0)
Major political, diplomatic, and military developments in Europe and Asia since beginning of Second World War.

283. The Far East: Its Peoples and Cultures
Fall, Winter, Spring. 4(4-0)
Highlights of historical developments of China, Korea and Japan, their cultural similarities and differences, and their contemporary issues and problems.

300II. Honors Colloquium—History as Intellectual Discipline
Fall. 4(4-0) Approval of department.
Basic methods and techniques of historical research for honors students intending to do an honors thesis. Treatment of philosophical issues connected with historical studies.

301. United States Constitutional History
Fall. 4(3-0) Juniors.
Development of the main themes in the American constitutional system from the colonial period through the Civil War. Emphasis on the formation of the Constitution, the role of the Supreme Court, and the recession crisis.

302. United States Constitutional History
Winter. 4(3-0) Juniors.
Continuation of 301. American constitutional-
306. History of American Foreign Policy
Fall. 4(4-0) Juniors.
Foundations of American foreign policy: neutrality, the Monroe Doctrine, expansionism, emergence of the United States as a great power.

307. History of American Foreign Policy
Winter. 4(4-0) Juniors.
The United States as a great power: change and continuity in the twentieth century.

308. American Foreign Policy and East Asia
Spring. 4(4-0) Juniors.
A history of the relations between Americans and East Asians from the American Revolution to the present. Emphasis will be placed on American policy toward China and Japan since 1898.

309. The Black Man in the Americas: Varieties of Slavery
Fall. 3(3-0) Juniors.
A study of the West African societies from which the majority of Negro Americans came and of the patterns of slavery that evolved in the New World. Emphasis on the sociology of slavery in the New World aimed at revealing both the peculiar and universal aspects of American slavery. Study of the development of segregation in antebellum North and of the Negro role in the abolitionist attack on slavery and segregation. The course will end with the passage of the 13th amendment in 1865.

310. The Black Man in the United States: Since Emancipation
Winter. 3(3-0) Juniors.
Continuation of 309. Study of the interaction between Negro Americans and the larger society from 1865 to the present. Examination of the limitations of reconstruction, the Negro in the New South, the impact of urbanization, the evolution of the Negro family, the Negro in business and as worker, the changing legal status of the Negro American, the Negro in American politics, the Negro American and Afro-Asian peoples, the response to discrimination, the civil rights movement, and the Negro revolution.

311. Canada and Canadian-American Relations: From the Voyages of Discovery to 1671
Fall. 4(4-0) Juniors.

312. Canada and Canadian-American Relations: From 1871 to the Present
Winter. 4(4-0) Juniors.

317. Rise and Decline of the Latin American Empires
Fall. 3(3-0) Juniors.
Latin America from the pre-conquest period to the end of the early nineteenth century. Independence movement. The political, economic, and social systems operating in the Spanish and Portuguese colonies, and the forces which created a group of new nations as the empire disintegrated.

318A. Latin America in the National Period
Winter. 5(5-0) Juniors.
General survey, emphasizing political history, with particular attention to the major countries. Those elements which have been somewhat common to all countries (dictatorship, oligarchical control, latitudinarian anti-clericalism, social stagnation, retarded economic development) are examined in some detail.

318B. Latin America in the Contemporary Period
Spring. 3(3-0) Juniors.
Political and economic trends in major South American states since the end of national period. Latin republics, insurgency, economic development, militarism. Rise of social movements since 1945.

319. Latin America in World Affairs
Winter. 4(4-0) Juniors.
Factors influencing relations between selected countries in Latin America and the rest of the world, including the United States; economic growth and changes, commercial relations, participation in international organizations, and intra-Latin American problems.

320. History of Michigan
Winter. 3(3-0) Juniors.
Political, economic, and social evolution of the State in its relation to national history.

325. The Intellectual History of the United States
Fall. 3(3-0) Juniors.
Major political, economic, religious, and philosophical ideas that have affected the course of American national life.

326. The Intellectual History of the United States
Winter. 3(3-0) Juniors.
Continuation of 325.

327. The Intellectual History of the United States
Spring. 3(3-0) Juniors.
Continuation of 326.

328. History of the American West
Fall. 3(3-0) Juniors.
The westward movement from its beginnings in the early 17th century to about 1820. Movement of population into the area between the Atlantic Ocean and the Great Plains. The 318A. Latin America in the National Period. Winter. 5(5-0) Juniors. The rise and decline of the Latin American Empires. Fall. 3(3-0) Juniors. Latin America from the pre-conquest period to the end of the early nineteenth century. Independence movement. The political, economic, and social systems operating in the Spanish and Portuguese colonies, and the forces which created a group of new nations as the empire disintegrated. The American revolution and Constitution, 1750-1789. Winter. 4(4-0) Juniors. The development of England's American Empire, the rivalry with France and Spain, and analysis of the economic, religious, social and intellectual development of New England, the Middle and Southern Colonies to the American Revolution. The European background, the founding of the American colonies, the economic, religious, social and intellectual development of New England, the Middle and Southern Colonies up to the American Revolution. The American revolution and Constitution, 1750-1789. Winter. 4(4-0) Juniors. The development of England's American Empire, the rivalry with France and Spain, and analysis of the economic, religious, social and intellectual development of New England, the Middle and Southern Colonies. The rise of Canadian nationalism. The Great War and the fulfillment of Canadian independence within the Commonwealth of nations. The economic, political, and social developments and interrelations in North America. World War II and the creation of a Canadian-American partnership. The present involvement. The Westward movement from its beginnings in the early 17th century to about 1820. Movement of population into the area between the Atlantic Ocean and the Great Plains. The 327. The Intellectual History of the United States. Winter. 3(3-0) Juniors. The intellectual history of the United States. Fall. 3(3-0) Juniors. Major political, economic, religious, and philosophical ideas that have affected the course of American national life. The 326. The Intellectual History of the United States. Winter. 3(3-0) Juniors. Continuation of 325. The 327. The Intellectual History of the United States. Spring. 3(3-0) Juniors. Continuation of 326. The 328. History of the American West. Fall. 3(3-0) Juniors. The westward movement during the period from about 1820 to the end of the 19th century. Movement of population into the trans-Mississippi West and its significance in the life of the nation.
History

340. History of International Relations: 1570-1919
Fall. 4(4-0) Juniors.
The Biarmarckian system and its break-up; problems of imperialism; emergence of the United States and Japan as world powers; formation of rival alliances systems in Europe; origins of World War I, etc.

341. History of International Relations: 1919 to the Present
Spring. 4(4-0) Juniors.
Post-World War I problems; East Asian problems; origins of World War II, the diplomacy of the Cold War; major problems of the 50's and 60's.

342A. Intellectual History of Modern Europe
Fall. 3(3-0) Juniors.
Intellectual life of Europe in the seventeenth and eighteenth centuries, with reference to the Medieval background and with emphasis on the scientific revolution and the Enlightenment as a cultural synthesis.

342B. Intellectual History of Modern Europe
Winter. 3(3-0) Juniors.
European thought and culture from 1780 to 1890, with special attention to the dissolution of the Enlightenment and the emergence of romanticism, history, and science as the faiths of the nineteenth century.

342C. Intellectual History of Modern Europe
Spring. 3(3-0) Juniors.
European thought from 1890 to the present, with emphasis on the fin de siècle crisis, the new science, cultural despair, existentialism, the breakdown of traditional patterns of thought and the experiments at intellectual reconstruction.

343. History of England to 1472
Winter of even-numbered years. 4(4-0) Juniors.
Survey of English History to the restoration of Edward IV. The principal political, social and economic developments of England from the period of Roman Conquest to the later middle ages.

344. History of England, 1472 to 1688
Winter of odd-numbered years. 4(4-0) Juniors.
Survey of the principal political, social and economic developments of English history from the period of the restoration of Edward IV to the Glorious Revolution of 1688.

345. England, 1688-1837
Fall. 4(4-0) Juniors.
The Revolution of 1688, the last Stuarts, and the House of Hanover. The growth in the power of the House of Commons, foreign affairs, the development of industrialism and scientific agriculture, the growth of the Empire, and England in the era of the French Revolution and Napoleon.

346A. Victorian Britain, 1837-1901
Winter. 4(4-0) Juniors.
A study of Britain in Victorian times, emphasizing the great public figures of the age, economic thought and public finance, foreign affairs, Ireland, imperialism, and the growth of social welfare philosophy.

346B. Britain in the Twentieth Century
Spring. 4(4-0) Juniors.
Britain in the twentieth century. A study of British society in the age of collectivist politics, emphasizing the decline of liberalism and the rise of Labour, Britain's participation in two World Wars, and its consequences for her international position, and certain mental aspects of the adjustment to the welfare state.

348. Constitutional and Legal History of England to 1485
Fall. 3(3-0) Juniors.
Important legal and constitutional developments in the history of England to 1485. Special emphasis will be placed on the development of the principles of the common law.

349. Constitutional and Legal History of England from 1485
Winter. 3(3-0) Juniors.
Important constitutional developments of England from the accession of the Tudors. Special emphasis will be placed on the development of the principles which evolved from the Stuart revolution and which underlie the modern constitution.

350. Ancient History
Fall. 3(3-0) Juniors.
Ancient peoples of the Near East: Egyptians, Mesopotamians, Assyrians, Persians, Hebrews. Contributions to later civilizations.

351. Ancient History
Winter. 3(3-0) Juniors.
Aryan civilization and Greek civilization from Homeric times to Roman conquest of the Hellenic world. Contributions of the Greeks to modern Western civilization.

352. Ancient History
Spring. 3(3-0) Juniors.
From B.C. 753 to A.D. 537. Political, legal and cultural contributions to later civilizations and the founding, growth and triumph of Christianity.

354. Early and High Medieval Civilization
Fall. 4(4-0) Juniors.
Analysis of major developments in Western Europe, 300-1300, emphasizing unique institutional, religious and cultural patterns in medieval Western Europe and those aspects of society that had an enduring effect on European civilization.

355. Late Medieval and Renaissance Civilization
Winter. 4(4-0) Juniors.
Analysis of the period transition in Europe, ca. 1300-1500, treating especially decline of medieval institutions and emergence of modified alternatives during the Renaissance. Emphasis on contrasts between Italy and Europe north of the Alps.

362. The Age of Reformation
Fall. 3(3-0) Juniors.
Political, economic, intellectual, and religious background of the Reformation; the Protestant and the Roman Catholic Reformations; and the Wars of Religion.

363. The Era of the French Revolution
Winter. 3(3-0) Juniors.
Intellectual Revolution of the eighteenth century, the Old Regime, the French Revolution, and the Napoleonic Era.

364. Europe from 1815 to 1870
Spring. 3(3-0) Juniors.
Growth of nationalism and liberalism, founding of Italy and Germany as great powers, impact of science and industrialism on European thought and society.

365. Europe from 1870-1914
Fall. 4(4-0) Juniors.
Fundamental features of Russia at the height of its power, including comparison of political systems, industrialization, social movements, imperialism, cultural developments and the origins of World War I.

366. Europe in the Twentieth Century
Winter. 4(4-0) Juniors.
Salient features of Europe's 20th century crises: World War I and the Russian and German revolutions, peace treaties, war and its cultural consequences, analysis of Fascist regimes, World War II and Europe's collapse.

367. Russian History
Fall. 5(5-0) Juniors.
Origin and development of the Russian state from the ninth to the beginning of the nineteenth century. The chief factors which contributed to the formation of Russian civilization and to its political, social and cultural evolution.

368. Russian History
Winter. 5(5-0) Juniors.
Imperial Russia from 1801 to 1917, with emphasis on the events and ideas that led to revolution.

369. The Russian Revolution and the New Order
Spring. 5(5-0)
Detailed analysis of the 1917 Revolution and the developments which followed, Soviet efforts to re-order Russia's social and economic systems and their political consequences.

371A. European Economic History to 1800
Fall. 4(4-0) Juniors.
Economic history of medieval and early modern Europe stressing the nature of agrarian societies, the growth of cities, the divergence of the European economies, and the Industrial Revolution in England.

371B. European Economic History after 1800
Winter. 4(4-0) Juniors.
The industrialization of Europe stressing urbanization, national rivalry, problems of the maturation of capitalist institutions, and the social and ecological impact of economic growth in the twentieth century.

373A. Germany in the Nineteenth Century
(314.) Winter. 4(4-0)
The old regime; revolution; liberalism, romanticism, nationalism; creation of the German Empire; industrialization, urbanization, the rise of labor; militarism; imperialism. Social, cultural, intellectual factors in addition to politics and diplomacy.

373B. Germany in the Twentieth Century
(315.) Spring. 4(4-0)
First World War; founding of the democratic republic; inflation, stability, depression; Nazi totalitarianism and aggression; post-war reconstruction and the cold war; Stalinism and the "new class" in the east.

379A. France in the Nineteenth Century
(350.) Fall. Winter. 3(3-0)
Political, diplomatic, economic, social, philosophical, and cultural developments from 1815 to 1914. Emphasis on institutions, values, and formative experiences.
379B. France in the Twentieth Century
Winter. Spring. 3(2-0)
Political, diplomatic, economic, social, philosophical, and cultural developments from 1914 to the present. Emphasis on the shattering of old institutions and values and the search for replacements.

381. East European History to 1848
Winter. 5(4-0) Juniors.
Development of national and political consciousness on Europe's Eastern frontier from the conversion of the Slavs until the age of nationalism. Special emphasis on the Magyars and Poles.

382. East European History since 1848
Spring. 5(4-0) Juniors.
East European experience with liberalism, nationalism, and totalitarianism. Emphasis on the Austro-Hungarian Compromise, and on the crises of World War I and World War II.

383A. History of the Far East
FALL. 4(4-0)
Major historical developments from earliest times to about the middle of the 17th century, ranging from ancient legends to the forming of the traditional states in the area.

383B. History of the Far East
WINTER. 4(4-0)
Developments from the 17th century, strong reactions to the increasing pressures from the West, the growth of Japanese power, impact of the two world wars and the establishment of the Communist regime in mainland China.

385. Intellectual History of Modern China
Winter. 4(4-0)
Moral, social, political and economic ideas that have affected the course of China's national life and/or China's relation with the world.

388A. History of Twentieth Century China
FALL. 4(4-0) 292 or 383A or approval of department.
Majors political and social developments since 1900 with emphasis on the Republican period until the end of World War II.

388B. Rise of Chinese Communism, 1919 to Present
WINTER. 4(4-0) Juniors.
The origins and development of Chinese Communism since the end of World War I. The collapse of the traditional order and the search for new values; the Russian Revolution and the impact of Leninism on China; the nationalist Revolution and civil war in the 1930's; the "United Front" against Japan and the rise of Mao Tse-tung; Party purges and the "People's Republic".

389. Continuing Revolution in China: Problems and Approaches
Fall. Winter. Spring. 4 credits. May re-enroll for a maximum of 16 credits.
Program to enable limited number of able students by invitation to substutute independent and informal methods of study for part of departmental requirements. History majors become eligible when they complete 90 credits with a point average of 2.80 (military science and physical education excluded). Areas of study planned for each student by a departmental committee.

401. Approaches to American History
Fall. Spring. 3(2-0) Juniors.
Lectures on various approaches to the study of American history. Taught by several historians, each considering significant trends and new developments within his specialty. Independent, but guided, reading programs will be required.

400H. Honors Work
Fall. Winter. Spring. 4 credits. May re-enroll for credit.
Program to enable limited number of able students by invitation to substitute independent and informal methods of study for part of departmental requirements. History majors become eligible when they complete 90 credits with a point average of 2.80 (military science and physical education excluded). Areas of study planned for each student by a departmental committee.

402. African History to 1500
FALL. 4(3-0)

403. African History from 1500 to 1875
WINTER. 4(3-0)

404. Modern Colonial Africa
Spring. 4(2-0)

405. History of the Ottoman Turkish Empire
WINTER. 4(4-0) Juniors.
Survey of Ottoman history from the first appearance of the Turks in Europe in 1356 until the reign of Selim III and the French Revolution. The impact of the Ottoman on European history, relations with the Russian and Hapsburg Empires, the development of a multinational empire comprising Turks, Slavs, Greeks, and Arabs.

406. Main Currents in American History
Winter. 15 credits. Juniors. Approval of department.
An intensive study of the main currents in American history from the Colonial Period to the recent past. Intended for those who contemplate a career in teaching history at the secondary level. Through lectures and extensive reading the course will aim at thorough coverage of American history and at the development of procedures for using historical facts to promote intellectual maturity of high school students. Enrollment in the course will constitute the full academic load for the term.

407. The Near East in the Modern World
WINTER. 3(2-0) Juniors.
Recent history of principal nations in Near East and part played in modern political and economic conflicts.

4001. Approaches to American History
Fall. Spring. 3(2-0) Juniors.
Lectures on various approaches to the study of American history. Taught by several historians, each considering significant trends and new developments within his specialty. Independent, but guided, reading programs will be required.

The following Studio courses offer opportunities for inquiry in depth of a variety of themes, topics or problems in several areas. They are planned for advanced students who have some familiarity with the general history of the area in question. The precise content of each course will vary each time it is taught. Thus making available a notable richness of content and interpretation. The student should inquire at the History Department Office for information on the particular courses which will be taught each term. Written permission to enroll should be secured in advance from the instructor or chairman of the department. History majors may earn a maximum of 10 credits in Studio courses.

412. Studies in Canadian History and Canadian-American Relations
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

419. Studies in Latin American History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

448. Studies in British History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

449. Studies in Colonial and Revolutionary America
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

450. Studies in Nineteenth Century America
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

451. Studies in Twentieth Century America
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

452. Studies in Ancient History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

453. Studies in Medieval History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

454. Studies in the Renaissance and Reformation
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

455. Studies in Central European History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

463. Studies in Modern European History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

464. Studies in Western European History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

466. Studies in Russian History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

470. Studies in Comparative History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.

476. Canadian-American Studies
For course description, see Interdisciplinary Courses.

483. Studies in African History
4(4-0) May re-enroll for a maximum of 12 credits. Approval of department.
Graduate courses are of two types: reading courses and seminars. The former entail wide reading on selected topics and written and oral reports. The latter emphasize original research and the writing of research papers. The content of both reading courses and seminars in a given field may change from term to term, thus making possible a rich and varied offering in history for the graduate student. Students may enroll in a course for more than one term or in more than one section of a course during the same term, provided that duplication of content does not result. Theses giving detailed information concerning all graduate courses to be offered during a particular term are available in the History Office during the preceding term. Students desiring to enroll in these courses must have the permission of the department.

863. Historiography
Fall, 3 credits.
Readings, discussions and written exercises designed to introduce the beginning graduate student to the problems, methods, and techniques of historical research. Examination of the major approaches to history. Discussion of and practice in the major techniques of historical method, including bibliography, documentation and literary style. A section of the course will be arranged for the study of European history materials and a section for the study of American history materials.

864. Readings in American Civilization
Fall, Winter, Spring, 3 credits. Approval of department and 6 credits in the field of the reading course taken in the Master's program. Readings, discussions and written projects designed to improve the competence of the high school teacher. Effective teaching approaches. Students will read widely in major themes and prepare an essay on a significant problem or topic.

865. Readings in European Civilization
Fall, Winter, Spring, 5 credits. Approval of department and 6 credits in the field of the reading course taken in the Master's program.

866. Readings in Non-Western Civilizations
Fall, Winter, Spring, 5 credits. Approval of department and 6 credits in the field of the reading course taken in the Master's program.

867. Readings in Recent European History
Fall, Winter, Spring, 4 credits.

868. Readings in Russian History
Fall, Winter, Spring, 4 credits.

869. Readings in the History of International Relations
Fall, Winter, Spring, 4 credits.

870. Readings in African History
Fall, Winter, Spring, 4 credits.

871. Readings in Asian History
Fall, Winter, Spring, 4 credits.

872. Research
Fall, Winter, Spring. Variable credit. Approval of department.

873. Seminar in Canadian-American History
Fall, Winter, Spring. 5 credits.

874. Seminar in American Colonial History
Fall, Winter, Spring. 5 credits.

875. Seminar in the Era of the American Revolution and Constitution
Fall, Winter, Spring. 5 credits.

876. Seminar in the Age of Jackson
Fall, Winter, Spring. 5 credits.

877. Seminar in the Era of the American Civil War and Reconstruction
Fall, Winter, Spring. 5 credits.

878. Seminar in the American West
Fall, Winter, Spring. 5 credits.

879. Seminar in the Populist and Progressive Era
Fall, Winter, Spring. 5 credits.

880. Seminar in Latin American History
Fall, Winter, Spring. 5 credits.

881. Seminar in Twentieth Century American History
Fall, Winter, Spring. 5 credits.

882. Seminar in American Constitutional History
Fall, Winter, Spring. 5 credits.

883. Seminar in American Social and Intellectual History
Fall, Winter, Spring. 5 credits.

884. Seminar in American Social and Economic History
Fall, Winter, Spring. 5 credits.

885. Seminar in American Foreign Policy
Fall, Winter, Spring. 5 credits.
929. Seminar in Afro-American History
Fall, Winter, Spring. 5 credits.

930. Seminar in American Urban History
Fall, Winter, Spring. 5 credits.

932. Seminar in Ancient History
Fall, Winter, Spring. 5 credits.

933. Seminar in Medieval History
Fall, Winter, Spring. 5 credits.

934. Seminar in the Renaissance
Fall, Winter, Spring. 5 credits.

935. Seminar in the French Revolution and Napoleon
Fall, Winter, Spring. 5 credits.

937. Seminar in Russian History Before 1800
Fall, Winter, Spring. 5 credits.

938. Seminar in Modern Russian History
Fall, Winter, Spring. 5 credits.

939. Seminar in East European History
Fall, Winter, Spring. 5 credits.

940. Seminar in English History to 1888
Fall, Winter, Spring. 5 credits.

941. Seminar in Modern British History
Fall, Winter, Spring. 5 credits.

945. Seminar in Early Modern European History
Fall, Winter, Spring. 5 credits.

946. Seminar in Modern European History
Fall, Winter, Spring. 5 credits.

947. Seminar in Modern European Intellectual History
Fall, Winter, Spring. 5 credits.

948. Seminar in Modern French History
Fall, Winter, Spring. 5 credits.

949. Seminar in Modern German History
Fall, Winter, Spring. 5 credits.

953. Seminar in East African History
Fall, Winter, Spring. 5 credits.

954. Seminar in China in the Traditional Period
Fall, Winter, Spring. 5 credits.

955. Seminar in Modern China
Fall, Winter, Spring. 5 credits.

956. Historical Interpretation
Fall, Winter, Spring. 1 credit. May re-enroll for a maximum of 9 credits. Approval of department. Open only to teaching assistants in history. Supervised direction in preparation and conduct of a teaching assignment required of all doctoral candidates. Approval of department. Doctoral candidates must enroll in three terms of this course while fulfilling required teaching assignment.

999. Research
Fall, Winter, Spring. Variable credit. Approval of department.

HISTORY OF ART
See Art

HORTICULTURE HRT

College of Agriculture and Natural Resources

201. Fruits and Vegetables for Home and Garden
Spring. 3(2-2) Principles and practices used in producing fruits and vegetables for the home in small gardens and containers; guidance in how to determine the edible quality of fresh fruits and vegetables.

211. Landscape Plants I
Fall. 4(1-6) Adaptation, identification, and evaluation of narrow-leaved evergreens, deciduous shrubs and trees, and woody vines, as they are used in the landscape. Emphasis is placed on the seasonal interest of the plants studied.

212. Landscape Plants II
Spring. 4(1-6) Continuation of 211. Additional emphasis on the flowering characteristics of both deciduous and broad-leaved evergreen shrubs, trees, and vines.

320. Commercial Fruit Production
Fall. 4(3-2) Juniors. Commercial production of principal tree fruit crops of Michigan with emphasis on planting, soil management, fertilization, pruning, thinning, and grafting.

323. Indoor Plants and Flowers
Fall, Winter, Spring. 3(1-4) Not open to horticulture majors. Identification, culture, propagation and use of plants for home, schools, offices and public buildings; principles of flower arrangement, construction of dish gardens and hanging baskets, and the forcing of bulbs.

325. Outdoor Plants and Flowers
Spring. 4(3-2) Identification, use and landscape maintenance of flowering annuals, perennials, roses, shrubs and evergreens. The horticulture gardens are utilized as an outdoor laboratory.

330. Special Topics in Horticulture
Fall, Winter, Spring. Summer 1 to 9 credits. May re-enroll for a maximum of 15 credits. Approval of department. Special studies in fields not covered in other courses; primarily independent study.

402. Principles of Weed Control
Fall. 3(2-2) Juniors. Interdepartmental and administered jointly with Crop Science. Comprehensive study of principles underlying weed control practices, and factors involved in both mechanical and chemical control.

408. Principles of Plant Breeding
Spring. 4(3-2) CSC 250. Interdepartmental and administered jointly with Crop Science. Application of genetics and other sciences to breeding and improvement of agronomic and horticultural crops.

411. Fruit and Landscape Crop Physiology I
Fall. 4(3-2) Juniors. Physiological effects of moisture and nutritional environments related to fruit crops and woody perennial plants.

412. Fruit and Landscape Crop Physiology II
Winter of odd-numbered years. 4(3-2) Juniors.

416. Handling and Storage of Horticultural Crops
Winter. 4(4-0) Juniors. Biological principles involving physical movement of fresh products from farm to consumer; physiological processes affecting maturity, quality and condition; selection and use of handling, storage, and transport facilities.

417. Controlled Plant Environment
Fall. 4(2-4) BOT 301 or 414. Control of greenhouse environment and its effect on growth and production of horticultural crops.

419. Small Fruits
Winter. 3(3-0) Juniors. Production, culture, utilization and physiology of strawberries, grapes, blueberries and raspberries.

421. Principles of Plant Propagation
Winter. 4(3-2) Juniors. Principles of plant propagation by seed, cuttings, layering, and grafting; selection and stock relationships; stocks for fruit and ornamental plants; practices employed by nurseries in propagation of plants.

424. Pesticide and Growth Regulating Chemicals for Horticultural Crops
Spring. 3(2-2) Juniors. Spray and dust equipment and application; pesticide and growth regulating chemicals, their use in the growing of horticultural crops, and influence on the physiology of the plant.

432. Vegetable Crop Physiology
Spring. 4(3-2) May re-enroll for a maximum of 8 credits. Juniors. Physiological principles involved in and related to the production of high quality vegetables.

433. Greenhouse Crop Production Management
Winter. 4(3-2) May re-enroll for a maximum of 8 credits. Principles of horticultural crop physiology; includes control of environmental conditions, and management. Emphasis on cut flowers in even-numbered years; on container-grown plants in odd-numbered years.