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|------------|--|
| HI 271     | History of Modern Latin America        |
| HI 291     | Modern African History                 |
| HI 307     | Contemporary Europe                    |
| HI xxx     | History of the Modern Middle East      |
| HI 314     | History of Modern France               |
| HI 316     | History of Modern Germany              |
| HI 317     | The Weimar Republic: Nazi Dictatorship |
| HI 320     | History of Modern Russia               |
| HI 321     | History of Iberia                      |
| HI 352     | American-East Asian Relations          |
| HI 406     | 20th Century Dictatorships in Europe   |
| HI 411     | The Holocaust                          |
| HI 421     | American Diplomatic History            |
| IR 486     | Readings and Conference                |
| IR 492     | Internship in International Relations  |
| IR 499     | Honors Thesis                          |
| PHIL 203   | Islam Philosophy & Culture             |
| PHIL 223   | Oriental Philosophy                    |
| PHIL 256   | Social and Political Philosophy        |
| PO 205     | Early Modern Political Thought         |
| or PO 332  | Late Modern Political Thought          |
| PO 222     | U. S. Foreign Policy                   |
| PO 244     | Contemporary Global Issues             |
| PO 306     | Data Analysis for Public Policy        |
| SP 401-402 | Spanish Culture and Literature         |
| SP 403-404 | Latin-American Culture and Literature  |
| TH 206     | Comparative Religions                  |
| TH 333     | Church and State in Latin American     |

## II. Other Program Requirements

- EC 201-202 Principles of Economics  
 Completion of a modern second language through the intermediate level.

Note: All degree students should review requirements for graduation as described in this catalog.

## Minor in International Relations

### I. Minor Program Requirements

Twenty-one semester credits of international relations, including:

|        |                                      |
|--------|--------------------------------------|
| HI 422 | American Diplomatic History          |
| PO 115 | International Relations              |
| PO 280 | Introduction to Comparative Politics |

And the remainder to be chosen from the following:

|           |  |
|-----------|--|
| AN/SO 204 | Cultural Anthropology                  |
| BA 392    | International Business                 |
| BA 393    | Socioeconomic Impact of Gender, India  |
| CO 325    | Intercultural Communication            |
| EC 406    | International Economics                |
| ENLT 334  | World Literature                       |
| GEOG 202  | World Regional Geography               |
| HI 211    | History of Modern Europe to 1870       |
| HI 212    | History of Modern Europe since 1870    |
| HI 251    | Introduction to East Asia              |
| HI 271    | History of Modern Latin America        |
| HI 291    | Modern African History                 |
| HI 307    | Contemporary Europe                    |
| HI xxx    | History of the Modern Middle East      |
| HI 314    | History of Modern France               |
| HI 316    | History of Modern Germany              |
| HI 317    | The Weimar Republic: Nazi Dictatorship |
| HI 320    | History of Modern Russia               |

|            |  |
|------------|--|
| HI 321     | History of Iberia  |
| HI 352     | American-East Asian Relations                              |
| HI 406     | 20th Century Dictatorships in Europe                       |
| HI 411     | The Holocaust  |
| HI 421     | American Diplomatic History                                |
| IR 486     | Readings and Conference                                    |
| IR 492     | Internship in International Relations                      |
| IR 495     | Research Seminar in International Relations                |
| IR 499     | Honors Thesis  |
| PHIL 203   | Islam Philosophy & Culture                                 |
| PHIL 223   | Oriental Philosophy  |
| PHIL 256   | Social and Political Philosophy                            |
| PO 205     | Early Modern Political Thought                             |
| or PO 332  | Late Modern Political Thought                              |
| PO 222     | U. S. Foreign Policy                                       |
| PO 244     | Contemporary Global Issues                                 |
| PO 306     | Data Analysis for Public Policy                            |
| PO 324     | Topics in Comparative Politics of Industrialized Countries |
| PO 328     | The Developing World                                       |
| PO 342     | War and Peace  |
| PO 348     | International Negotiation                                  |
| SP 401-402 | Spanish Culture and Literature                             |
| SP 403-404 | Latin-American Culture and Literature                      |
| TH 206     | Comparative Religions                                      |
| TH 333     | Church and State in Latin American                         |

## II. Other Program Requirement

Completion of a modern second language through the intermediate level.

## LATIN AMERICAN STUDIES

TOMAS L. GRAMAN, PH.D.

ERIC K. PRATT, PH.D.

ALEXIS J. RINCÓN, M.S.

### Mission & Goals

The Latin American program will provide a rigorous study of 1) Latin American affairs, 2) the acquisition of Spanish, 3) completion of practical and theoretical projects pertinent to specific student and faculty interest and expertise, i.e., history, political science, Hispanic linguistics, Hispanic literature, economics, theology, biology, comparative literature, comparative education, anthropology or sociology. An objective of the MLAS minor is to provide its participants with a thorough perspective of the people, history conditions, and aspirations of this region of the world. The methods of evaluation applied to the various components of the program aim to foster a critical and transformative experience for the participants. Students and faculty will emerge from the MLAS minor with experience in the region, fluency in Spanish and a critical and informed perspective toward the multiple aspects of the Latin American societies.

### Minor in Latin American Studies

#### I. Minor Program Requirements

- Twenty-two semester credits, including:  
 MLAS 200 Gateway Course in Latin American Studies  
 MLAS 495 Capstone Seminar in Latin American Studies

Plus 18 additional credits from these two categories:

Concentration Courses (12 credits)

|          |  |
|----------|--|
| ENLT 410 | Women's Literature: Latina/Chicana Writers |
| HI 271   | History of Modern Latin America            |
| PO 348   | International Negotiation: Argentina       |

- SP 105-250-350 Intensive Spanish Immersion
- ENWR 363 Literary Translation
- SP 301-302 Hispanic Short Story I and II
- TH 333 Church and State in Latin America

Allied Courses (6 credits)

- AN/SO 318 American Indians
- SA 275 Study Abroad: Belize
- BI 101 Life Science
- FR 301 Francophone Literature
- GEOG 202 World Regional Geography
- PO 280 Intro. to Comparative Politics
- PO 328 The Developing World
- AN/SO 204 Cultural Anthropology
- AN/SO 317 Ethic and Racial Relations
- SP 304 Spanish Phonetics and Phonology
- TH 210 Catholicism

**II. Other Program Requirement**

Completion of Spanish acquisition through the intermediate level.

**MATHEMATICS**

- KELLY CLINE, PH.D.
- MARY E. KEEFFE, PH.D.
- TERENCE J. MULLEN, P.E.
- JACK E. OBERWEISER, JR., M.A.T.
- MARK R. PARKER, PH.D.
- PHILIP B. ROSE, M.SC.
- JOHN L. SCHARF, PH.D.
- ANTHONY M. SZPILKA, PH.D.
- JAMES A. TRUDNOWSKI, ED.D.
- HOLLY ZULLO, PH.D.

**Mission and Goals**

Consonant with the mission of the College, this department is “dedicated to providing for its students the means for their full realization of a dual goal of vocation and enlightenment.” Society requires competent professionals who can solve contemporary problems by using connections among disciplines, especially the humanities, engineering and technology, and the sciences. The Programs within this Department are designed to blend the unique characteristics of Catholic liberal arts education with preparation for productive and rewarding professional careers. The four professional educational objectives of this department are to produce graduates who have:

- 1) The specialized knowledge and skills necessary for initiation into their chosen profession,
- 2) A broad range of skills necessary for effective communication,
- 3) An appreciation for the interrelationships among the branches of knowledge,
- 4) The ethical, social, and aesthetic perspectives necessary for values-based judgment and decision-making.

**Major in Mathematics with a Cognate Concentration, Minor, or Second Major**

The mathematics program has adopted the philosophy and goals of the department.

**I. Major Program Requirements**

- MA 131 Calculus of Single Variable Functions  
or MA 121-122 Differential and Integral Calculus
- MA 232 Differential Equations and Linear Algebra I
- MA 233 Multivariable Calculus

- MA 301 Foundations of Mathematics
- MA 328 Modern Applications of Discrete Mathematics
- MA 334 Differential Equations and Linear Algebra II
- MA 336 Probability and Statistics I
- MA 341 Probability and Statistics II
- MA 342 Numerical Computing and Visualization
- MA 366 Junior Seminar
- MA 401 Abstract Algebra and Modern Geometry
- MA 421 Optimization
- MA 4xx Honors Thesis/Senior Project (for a total of at least 3 credits)

**Other Program Requirements**

- ENWR 305 Technical Writing  
or ENWR 301 Business Writing (for the Business and Economics Concentration only)

**II. Required Cognate Concentration, Minor, or Second Major**

The course of study for a Bachelor of Arts degree with a major in mathematics requires selection of a cognate concentration, a minor, or a second major, approved by the student’s faculty advisor and the chair of the mathematics department. Approved selections include Biology, Business and Economics, Chemistry, Computer Science, Engineering, and Environmental Science. In consultation with faculty advisors and the mathematics department chair, a student can develop a proposal for a cognate concentration, minor, or a second major other than those listed. Requirements for approved concentrations, minors, and second majors are as follows:

- A. Concentration in Biology  
A minor or a second major in biology.
- B. Concentration in Business and Economics  
BA 203-204 Principles of Accounting I and II  
BA 313 Managerial Finance  
BA 375 Fundamentals of Management  
BA 409 Operations Research  
EC 202 Principles of Economics II and  
EC 201 Principles of Economics I  
or EC 203 Project Management Economics  
Plus 3 additional BA, CS, or EC credits at the 200 level or above approved by the mathematics department.
- C. Concentration in Chemistry  
A minor or a second major in chemistry.
- D. Concentration in Computer Science  
A minor or a second major in computer science.
- E. Concentration in Engineering  
CH 101-102 General Chemistry  
ENGR 104 Engineering Graphics and CAD  
ENGR 302 Engineering Mechanics I: Statics  
PHYS 205-206 Engineering Physics I and II  
CS 110 Programming  
Plus at least 12 additional semester-credit hours in engineering courses 300 or above.
- F. Concentration in Environmental Science  
BI 161-162 Introductory Biology  
BI 211 Ecology  
CH 111-112 Essentials of Chemistry  
ENGR 313 Hydrology  
ENGR 402 Environmental Engineering Principles  
EAS 201 Earth Science  
EAS 302 Advanced Earth Science