<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
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</thead>
<tbody>
<tr>
<td>958</td>
<td>Seminar in Collective Bargaining</td>
<td>3(3-0)</td>
<td>Spring, 4(3-0) EC 658 or approval of school. Critical study of selected contemporary areas and issues in collective bargaining.</td>
</tr>
<tr>
<td>501</td>
<td>Introduction to Veterinary Medicine I</td>
<td>3(2-0)</td>
<td>Summer</td>
</tr>
<tr>
<td>824</td>
<td>Laboratory Animal Medicine</td>
<td>3(2-3)</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>825</td>
<td>Comparative Medical Experimentation</td>
<td>3(1-3)</td>
<td>Winter, 2(1-3) Graduate status, B.S. in biological sciences and approval of department. Critical analysis of animal experimentation reported in biological journals related to the students' interest with special emphasis on effects of environmental and host variables upon validity of experimental results.</td>
</tr>
<tr>
<td>502</td>
<td>Introduction to Veterinary Medicine II</td>
<td>3(2-3)</td>
<td>Spring</td>
</tr>
<tr>
<td>503</td>
<td>Introduction to Veterinary Medicine III</td>
<td>3(2-3)</td>
<td>Spring</td>
</tr>
<tr>
<td>505</td>
<td>Large Animal Clinic</td>
<td>3(2-3)</td>
<td>Fall, Winter, Spring</td>
</tr>
<tr>
<td>521</td>
<td>Large Animal Surgery and Medicine I</td>
<td>3(2-3)</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>522</td>
<td>Large Animal Surgery and Medicine II</td>
<td>3(2-3)</td>
<td>Winter</td>
</tr>
<tr>
<td>531</td>
<td>Meat Hygiene</td>
<td>3(2-3)</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>624</td>
<td>Large Animal Surgery and Medicine IV</td>
<td>3(2-3)</td>
<td>Winter</td>
</tr>
<tr>
<td>625</td>
<td>Etiology, pathogenesis, epidemiology, pathological changes, differential diagnosis, prevention, control and treatment of specific infectious diseases of large animals.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>630</td>
<td>Veterinary Economics and Practice Management</td>
<td>3(2-3)</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>609</td>
<td>Problems in Large Animal Surgery</td>
<td>3(2-3)</td>
<td>Fall, Winter, Summer</td>
</tr>
<tr>
<td>811</td>
<td>Problems in Large Animal Surgery</td>
<td>3(2-3)</td>
<td>Fall, Winter, Summer</td>
</tr>
<tr>
<td>813</td>
<td>Seminar</td>
<td>3(2-3)</td>
<td>Fall, Winter, Spring</td>
</tr>
<tr>
<td>523</td>
<td>Special Surgery</td>
<td>3(1-6)</td>
<td>Fall, Winter, Summer</td>
</tr>
<tr>
<td>599</td>
<td>Research</td>
<td>3(2-3)</td>
<td>Fall, Winter, Summer</td>
</tr>
</tbody>
</table>

**Latin**

See Romance Languages

**Linguistics and Oriental and African Languages**

College of Arts and Letters

Courses in Chinese and Japanese on the 300 level or higher are normally conducted in the language.

Linguistics and Oriental and African Language Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>299</td>
<td>Special Projects</td>
<td>3(2-3)</td>
<td>Fall, Winter, Spring</td>
</tr>
<tr>
<td>499</td>
<td>Special Projects</td>
<td>3(2-3)</td>
<td>Fall, Winter, Spring</td>
</tr>
</tbody>
</table>

Work in areas outside regular course offerings.
African Languages

101. African Languages-Elementary
Fall. 4(3-3) May re-enroll for 101-102-103 sequence in more than one African language.

102. African Languages-Elementary
Winter. 4(3-3) May re-enroll for 101-102-103 sequence in more than one African language.

103. African Languages-Elementary
Spring. 4(3-2) May re-enroll for 101-102-103 sequence in more than one African language.

200H. Honors Work
Fall, Winter, Spring. 1 to 16 credits. Approval of department.

201. African Languages-Intermediate
Fall. 4(4-0) May re-enroll for 201-202-203 sequence in more than one African language. 103 in appropriate language or approval of department.

Continuation of African Languages-Elementary. Comprehension, speaking, reading and writing taught by a linguist with native informants. Offerings include Bemba, Hausa, Ibo, Pidgin, Swahili, Yoruba. These and other African languages are taught upon sufficient demand and availability of instructors.

202. African Languages-Intermediate
Winter. 4(4-0) May re-enroll for 201-202-203 sequence in more than one African language. 201.

Continuation of 201.

203. African Languages-Intermediate
Spring. 4(4-0) May re-enroll for 201-202-203 sequence in more than one African language. 202.

Continuation of 202.

400H. Honors Work
Fall, Winter, Spring. Variable credit. Approval of department.

402. Elementary Chinese
Winter. 4(3-5) 101.

Continued practice in conversation and aural comprehension; introduction to the reading and writing of Chinese characters.

403. Elementary Chinese
Spring. 4(3-5) 102.

Continuation of 102 and grammatical analysis of basic Chinese sentence structure.

400H. Honors Work
Fall, Winter, Spring. 1 to 16 credits. Approval of department.

401. Survey of Chinese Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Oral com-

410. Linguistics and Oriental and African Languages — Descriptions of Courses

Continued practice in conversation and aural comprehension; introduction to the reading and writing of Chinese characters.

Survey of Chinese literature from earliest record to contemporary writings. Lectures and discussions conducted in Chinese. Most assigned readings in Chinese, some in English translation.

420. Oriental Literature in Translation
(C L 419.) Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Juniors or approval of department.

Development and influence of the ideas, forms and motifs of Far Eastern literatures in the literatures of the world.

431. Chinese Poetry
Fall. 3(3-0) Reading knowledge of Chinese.

Rise and development of Chinese poetry with particular attention to poetry of the Tang Dynasty.

432. Chinese Drama
Winter. 3(3-0) Reading knowledge of Chinese.

Special emphasis on drama of the Yuan Dynasty.

433. Chinese Novels
Spring. 3(3-0) Reading knowledge of Chinese.

The most important vernacular novels.

Japanese

101. Elementary Japanese
Fall. 4(4-1)

Spoken and written Japanese; emphasis on conversation and easy reading.

102. Elementary Japanese
Winter. 4(4-1) 101.

Continuation of 101.

103. Elementary Japanese
Spring. 4(4-1) 102.

Continuation of 102.

201. Second-Year Japanese
Fall. 3(3-0) 103.

A second-year course, stressing both oral and written Japanese.

202. Second-Year Japanese
Winter. 2(2-0) 201.

Continuation of 201.

203. Second-Year Japanese
Spring. 2(2-0) 202.

Continuation of 202.

301. Readings in Modern Chinese Literature
Fall. 3(3-0) 203.

Selected short stories from authors of the twentieth century.

302. Readings in Modern Chinese Literature
Winter. 3(3-0) 301.

Selected essays from authors of the twentieth century.

303. Readings in Classical Chinese Literature
Spring. 3(3-0) 302.

Selections from the writings of the important philosophers, historians, and poets.

321. Conversation and Composition
Fall, Winter. 3(3-0) May re-enroll for a maximum of 9 credits. 201.

Directed topical conversation and practice in composition.

400H. Honors Work
Fall, Winter, Spring. Variable credit. Approval of department.

401. Survey of Chinese Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Oral com-

410. Linguistics and Oriental and African Languages — Descriptions of Courses

Continued practice in conversation and aural comprehension; introduction to the reading and writing of Chinese characters.

Survey of Chinese literature from earliest record to contemporary writings. Lectures and discussions conducted in Chinese. Most assigned readings in Chinese, some in English translation.

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432. Chinese Drama
Winter. 3(3-0) Reading knowledge of Chinese.

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433. Chinese Novels
Spring. 3(3-0) Reading knowledge of Chinese.

The most important vernacular novels.

Japanese

101. Elementary Japanese
Fall. 4(4-1)

Spoken and written Japanese; emphasis on conversation and easy reading.

102. Elementary Japanese
Winter. 4(4-1) 101.

Continuation of 101.

103. Elementary Japanese
Spring. 4(4-1) 102.

Continuation of 102.

201. Second-Year Japanese
Fall. 3(3-0) 103.

A second-year course, stressing both oral and written Japanese.

202. Second-Year Japanese
Winter. 3(3-0) 201.

Continuation of 201.

203. Second-Year Japanese
Spring. 3(3-0) 202.

Continuation of 202.

301. Readings in Modern Chinese Literature
Fall. 3(3-0) 203.

Selected short stories from authors of the twentieth century.

302. Readings in Modern Chinese Literature
Winter. 3(3-0) 301.

Selected essays from authors of the twentieth century.

303. Readings in Classical Chinese Literature
Spring. 3(3-0) 302.

Selections from the writings of the important philosophers, historians, and poets.

321. Conversation and Composition
Fall, Winter. 3(3-0) May re-enroll for a maximum of 9 credits. 201.

Directed topical conversation and practice in composition.

400H. Honors Work
Fall, Winter, Spring. Variable credit. Approval of department.

401. Survey of Chinese Literature
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Oral com-
### Linguistics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Department Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 200</td>
<td>Language and Linguistics</td>
<td>3(3-0)</td>
<td>Fall, Winter, Spring</td>
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<tr>
<td>LIN 401</td>
<td>Introduction to Linguistics</td>
<td>3(3-0)</td>
<td>Fall, Winter, Spring</td>
<td>Junior or Approval of department</td>
</tr>
<tr>
<td>LIN 402</td>
<td>Phonetics and Phonemics</td>
<td>3(3-0)</td>
<td>Fall, Winter, Spring</td>
<td>Approval of department</td>
</tr>
<tr>
<td>LIN 403</td>
<td>Morphology</td>
<td>3(3-0)</td>
<td>Fall, Winter, Spring</td>
<td>Approval of department</td>
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<tr>
<td>LIN 501</td>
<td>Articulatory Phonetics</td>
<td>3(2-2)</td>
<td>Fall, Winter, Spring</td>
<td>Approval of department</td>
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<tr>
<td>LIN 502</td>
<td>Introduction to Transformational Grammar</td>
<td>3(0-0)</td>
<td>Winter</td>
<td>403 or Approval of department</td>
</tr>
<tr>
<td>LIN 503</td>
<td>Introductory Readings in Linguistics</td>
<td>3(0-0)</td>
<td>Fall, Winter, Spring</td>
<td>Approval of department</td>
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<tr>
<td>LIN 701</td>
<td>Principles and Methods of Historical Linguistics</td>
<td>3(3-0)</td>
<td>Winter</td>
<td>403 or concurrently</td>
</tr>
<tr>
<td>LIN 702</td>
<td>History of Linguistics</td>
<td>3(3-0)</td>
<td>Fall, Winter, Spring</td>
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<tr>
<td>LIN 703</td>
<td>Dialectology</td>
<td>3(0-0)</td>
<td>Winter</td>
<td>Approval of department</td>
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<tr>
<td>LIN 801</td>
<td>Phonological Analysis</td>
<td>3(3-0)</td>
<td>Fall, Winter, Spring</td>
<td>Approval of department</td>
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<tr>
<td>LIN 802</td>
<td>Grammatical Analysis</td>
<td>3(3-0)</td>
<td>Fall, Winter, Spring</td>
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<tr>
<td>LIN 803</td>
<td>Semantics of Natural Languages</td>
<td>3(3-0)</td>
<td>Spring, Summer</td>
<td>Approval of department</td>
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</table>

### South Asian Languages

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Department Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAL 101</td>
<td>South Asian Languages—Elementary</td>
<td>4(3-2)</td>
<td>Fall, Winter, Spring, Spring</td>
<td>May re-enroll for 101-109-103 sequence in more than one South Asian Language.</td>
</tr>
<tr>
<td>SAL 102</td>
<td>South Asian Languages—Elementary</td>
<td>4(3-2)</td>
<td>Winter</td>
<td>May re-enroll for 101-102-103 sequence in more than one South Asian Language.</td>
</tr>
</tbody>
</table>

### Mathematical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Department Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 108</td>
<td>College Algebra</td>
<td>5(5-0)</td>
<td>Fall</td>
<td>Placement Test or approval of the college.</td>
</tr>
<tr>
<td>MTH 125</td>
<td>Calculus I</td>
<td>3(3-0)</td>
<td>Fall</td>
<td>Not open to students with credit in MTH 109.</td>
</tr>
<tr>
<td>MTH 126</td>
<td>Calculus II</td>
<td>3(3-0)</td>
<td>Fall</td>
<td>Not open to students with credit in MTH 112.</td>
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</tbody>
</table>

### Biological Sciences

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Department Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 101</td>
<td>Biology I</td>
<td>3(3-3)</td>
<td>Winter</td>
<td>Not open to students with credit in MTH 132.</td>
</tr>
</tbody>
</table>

**Notes:**
- All courses are approved by the respective department.
- Prerequisites and department approval are mandatory.
- Credits are given in the format (Lecture-Tutorial-Independent Study).