892. Seminar
Fall, Spring. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to graduate students in College of Agriculture and Natural Resources, College of Engineering, College of Human Medicine, College of Natural Science, College of Osteopathic Medicine, or College of Veterinary Medicine.
Student review and presentation of selected topics in microbiology and public health.
QA: MPH 500

899. Master's Thesis Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 24 credits in all enrollments for this course.
R: Open only to graduate students in Microbiology and Public Health.
QA: MPH 899

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 99 credits in all enrollments for this course.
R: Open only to graduate students in Microbiology and Public Health.
QA: MPH 999

MILITARY SCIENCE MS
Department of Military Science Office of the Provost

101. Leadership: The Military Profession
Fall, Spring, Summer. 1(1-1)
Analysis of military profession from several academic perspectives. Technical, ethical, and personal ramifications of leadership. Introduction to military leadership. Lab introduces military skills.
QA: MS 101, MS 102

102. Leadership: Land Navigation
Fall, Spring. 1(1-1)
Military topographic and special maps: intersection, resolution, modified resolution, and polar coordinates. Tactical operation overlays. Preview of small unit leader's role in the Army. Lab. Use of lensatic compass.
QA: MS 102, MS 202

201. Leadership Assessment Program, the Military Leader
Fall, Spring, Summer. 1(1-1)
Individual leadership development using standardized assessment technology. Administration, personal relations, and decision making. Military writing and professional obligations. Lab includes rappelling and marksmanship training.
QA: MS 109 QA: MS 201, MS 202

202. Leadership: First Aid/Fitness Training
Fall, Spring, Summer. 1(1-1)
Emergency first aid and including casualty evaluation, lifesaving exercises, CPR, and environmental injury prevention. Leader's role in implementing Army Physical Fitness Program. Individual and group fitness programs. Lab hands on leadership training.
QA: MS 201 QA: MS 102, MS 202

301. Leadership: Command and Control Communication
Fall, Spring, Summer. 3(3-2)
P: MS 202.
Wire and radio communications for tactical operations. Encryption/decryption, use of codes, and electronic warfare. Theories and models of behavioral sciences for leadership. Lab emphasizes communication skills.
QP: MS 202 QA: MS 301, MS 302

302. Leadership: Small Unit Tactics
Fall, Spring, Summer. 3(3-2)
P: MS 301.
Military topographic and special maps: intersection, resolution, modified resolution, and polar coordinates. Tactical operation overlays. Preview of small unit leader's role in the Army. Lab. Use of lensatic compass.
QP: MS 301 QA: MS 302, MS 303

401. Leadership: Management
Fall, Spring, Summer. 3(3-3)
P: MS 302.
Army training personnel administration and logistics systems, and the leader's role as a trainer and effective manager. Oral and written communication. Leadership assessment and development. Lab: practical experience in unit administration.
QP: MS 301 QA: MS 401, MS 402

402. Military Law, Ethics and Professionalism
Spring, Summer. 3(3-2)
P: MS 401.
QP: MS 401 QA: MS 402, MS 403

490. Independent Study in Military Science
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course.
R: Open only to juniors and seniors. Approval of department.
Individual research in areas related to military science.
QA: MS 499

MUSIC MUS
School of Music
College of Arts and Letters

112. Chamber Music
Fall, Spring, 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of broad range of chamber music literature.
QA: MUS 112

114. Marching Band
Fall, 1(0-9) A student may earn a maximum of 6 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of band literature at football games.
QA: MUS 118A

115. Spartan Brass
Spring, 1(0-2) A student may earn a maximum of 6 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of band literature at basketball and hockey games.
QA: MUS 118B

116. Campus Band
Fall, Spring, 1(0-9) A student may earn a maximum of 10 credits in all enrollments for this course.
Rehearsal and performance of broad range of band literature chosen from baroque period to the present.
QA: MUS 118F

117. Concert Band
Fall, Spring, 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of wide range of wind literature from various historical periods and styles.
QA: MUS 119C

118. Wind Symphony
Fall, Spring, 1(0-5) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of wide range of wind literature from various historical periods and styles.
QA: MUS 119E

120. Symphony Orchestra
Fall, Spring, 1(0-5) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of symphonic repertoire.
QA: MUS 133A

121. Chamber Orchestra
Fall, Spring. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of representative chamber works of baroque, classic, and contemporary composers.
QA: MUS 133B

122. Collegiate Choir
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of representative literature for mixed choirs.
QA: MUS 189

124. Choral Union
Fall, Spring. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of wide range of choral literature from baroque period to the present.
QA: MUS 192

125. Glee Club, Men and Women
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
Rehearsal and performance of broad range of choral literature from all periods.
QA: MUS 191

126. State Singers
Fall, Spring. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Mixed choir performing music from all periods.
QA: MUS 190

127. University Chorale
Fall, Spring. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Mixed choir for experienced singers performing representative literature from all periods.
QA: MUS 193

129. Percussion Ensemble
Fall, Spring. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
R: Audition required.
Rehearsal and performance of representative works for percussion and mallet ensembles.
QA: MUS 112 A-117