250 DESIGNING WEB GRAPHICS (Also listed as Art 250) 3 Units
Photography 250 is an introductory web design course that covers web design principles, web graphic creation and preparation, graphic interchange format (gif) animations, project planning, and web environment issues that affect design. Students create assigned projects with industry standard software. Concept and design are emphasized throughout the course. Lecture 2 hours, studio/lab hours 4. **Prerequisite:** Photography 121 or equivalent. **Note:** Students who have completed Art 250 may not take this class for credit.

251 WEB PAGE CREATION (Also listed as Art 251) 3 Units
Photography 251 is an intermediate-level web design course. Using industry standard wysiwyg software, students design and create web pages, using layout controls, tables, frames, layers, cascading style sheets, form creation, various types of links, rollovers, and layer animation. Design quality and concept are emphasized throughout the course. Lecture 2 hours, studio/lab 4 hours. **Prerequisite:** Art/Photography 250. **Note:** Students who have completed Art 251 may not take this class for credit.

255 INTERACTIVE WEB ANIMATION WITH FLASH (Also listed as Art 255) 3 Units
Photography 255 is a web design course using industry standard software to create full-page, interactive vector-based web animations. Students learn the construction of multiple-layered animations with interactive buttons, movieclips, graphics, and embedded sound files with optimization for the web. Design quality and concept are emphasized throughout the course. Lecture 2 hours, studio/lab 4 hours. **Prerequisite:** Art/Photography 250 or equivalent. **Note:** Students who have completed Art 255 may not take this class for credit.

**PHYSICAL EDUCATION**

The Physical Education department offers a wide variety of activities to meet the varied interests of the Glendale College student. Two units of physical education are required in order to be eligible for the Associate in Arts and/or Associate in Science degree. The following classes do not meet the physical education activity requirement: Physical Education 120, 124, 125, 126, 128, 146, 149, 195, 196, 228, 236. Individuals may be exempt from the physical education requirement upon presentation of evidence that they meet one of the following: 1) have attained the age of 21 years prior to the start of their last semester toward the degree, or 2) have a medical excuse on file, or 3) are enrolled in one of the following block unit occupational programs: Aviation and Transportation—Aircraft and Powerplant Maintenance and Overhaul (FAA Powerplant and Airframe License); Registered Nursing; or Vocational Nursing.

It is recommended that a variety of activities be taken during a student’s attendance at Glendale Community College. Courses in dance satisfy the physical education requirement. Physical education activity classes may be taken four (4) times; a maximum of six (6) units may be earned in any one course. All classes are coeducational unless otherwise noted.

101 WELLNESS AND FITNESS LABORATORY 1-2½ Units
Physical Education 101 is a contemporary, high intensity, low impact fitness class, designed for both men and women, to improve each participant’s strength, flexibility, and cardiovascular fitness level through steady-state stepping movements. The student is exposed to a graduated continuous system of rhythmic stepping at various platform heights. The class includes lecture on basic nutrition, exercise concepts, and stress management as the factors apply to a personal fitness program. Class sessions include a warm-up, an exercise routine fitted to each student’s level of fitness, and a cool down. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

105 STEP AEROBICS (Also Listed as Dance 105) 1-2½ Units
Physical Education 105 is a contemporary, high intensity, low impact fitness class designed to enhance the student’s cardiovascular fitness level. The course emphasizes the development of positive attitudes and habits with regard to cardiovascular efficiency, body composition, muscular toning, and flexibility. Students are assessed in these areas and an individual fitness profile is established. Fitness activities primarily utilize exercise equipment which is organized into an aerobic super circuit. Additional activities are prescribed in an aerobic machine arena, cross training area, and a flexibility area. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

106 ADVANCED STEP AEROBICS 1-2½ Units
Physical Education 106 is an advanced level, high intensity, low impact aerobic exercise class which utilizes sophisticated aerobic choreography to promote kinesiological awareness and mind/body integration. Students perform continuous, intricate, rhythmic stepping combinations, using a platform of increasing heights to promote cardiovascular fitness. Topics such as target heart rate, exercise technique, flexibility training, nutrition, and exercise-related injuries are discussed, as they pertain to lifestyle wellness. Classes include a warm-up, complex step combinations, a cool-down, a muscle strengthening toning component, and flexibility training. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** Physical Education 105 or equivalent. **Transfer credit:** CSU, UC, USC
110
INDOOR CYCLING FOR FITNESS
1-2.5 Units
Physical Education 110 offers instruction in indoor cycling, a low-impact, non-weight-bearing physical activity, enhancing cardiorespiratory and muscular performance, and promoting mental and emotional well-being. Various cycling routines are performed on a stationary spinning bicycle accompanied by both auditory and visual cues. Lecture ½ to 1.5 hours. Laboratory 1.5 to 3.5 hours. **Prerequisite:** None. **Transfer credit:** CSU, UC.

111
EXERCISE PSYCHOLOGY
2 Units
Physical Education 111 explores cognitive behavior modification techniques that may be used to promote the adoption of and adherence to a regular exercise routine. Theoretical methods are studied and applied to practical exercise programming situations. Factors directly affecting the decision to perform exercise, including external barriers and reinforcements and behavioral tendencies, are investigated. Lecture 2 hours. **Prerequisite:** None.

112
APPLIED EXERCISE PHYSIOLOGY
2 Units
Physical Education 112 examines how physiological functions of the human body change during exercise. Topics of discussion include cardiorespiratory changes, training effect on the musculoskeletal system, energy production, and the effect of ergogenic aids on exercise performance. All topics are discussed as they relate to practical exercise training. Hands-on laboratory exercises demonstrate how aspects of exercise physiology should be integrated into practical trainer/client work. Lecture 1½ hour, laboratory 1½ hour. **Prerequisite:** None.

113
EXERCISE TESTING
2 Units
Physical Education 113 examines various means for assessing physical fitness. Through hands-on training, students learn to administer tests to determine body composition, cardiorespiratory endurance, muscular strength and endurance, flexibility, and blood pressure. Analyzing and explaining results of the various tests are also emphasized. Lecture 1½ hour, laboratory 1½ hour. **Prerequisite:** None.

114
INSTRUCTIONAL TECHNIQUES FOR FITNESS LEADERS
2 Units
Physical Education 114 examines techniques and principles involved in teaching safe and effective aerobic and resistance routines. Techniques include sequencing of exercise, proper and improper execution of exercise, handling error correction, and communicating clearly with fitness participants. Students are given the opportunity to instruct various types of routines in class daily. Lecture 1½ hours, laboratory 1½ hours. **Prerequisite:** None.

115
INSTRUCTIONAL TECHNIQUES FOR FITNESS LEADERS AS APPLIED TO SPECIAL POPULATIONS
2 Units
Physical Education 115 examines the instructional techniques used by fitness leaders as they apply to physical activity needs of special populations and persons with health challenges. Groups studied include seniors, children, pregnant women, athletes, persons with cardiovascular and metabolic diseases, and those with musculoskeletal impairments. Differences in anatomical and physiological aspects of persons in these groups are investigated, ultimately leading to an exploration of how these differences impact exercise programming. Lecture 1½ hours, laboratory 1½ hours. **Prerequisite:** None.

116
CAREERS FOR FITNESS LEADERS
1 Unit
Physical Education 116 explores the employment and career opportunities available in the health/fitness industry. It teaches students tactics by which to promote themselves as fitness leaders in various sectors of the industry. Lecture 1 hour. **Prerequisite:** None.

120
INTRODUCTION TO PHYSICAL EDUCATION
½ -2½ Units
Physical Education 120 is a course designed to acquaint prospective teachers with the social, physical, and professional demands of physical education. A preview of the profession of physical education as a whole is gained through testing, class recreation and field trips. Opportunities in health and recreation are explored. Lecture ½ -1½ hours, laboratory 1½-3½ hours. **Prerequisite:** None. **Note:** Recommended for physical education majors. This course will not fulfill physical education activity requirements. **Transfer credit:** CSU, UC, USC.

124
SPORTS OFFICIATING— VOLLEYBALL, BASKETBALL
2 Units
Physical Education 124 is a course in the theoretical and practical techniques of officiating basketball and volleyball. Lecture 2 hours, laboratory 1 hour. **Prerequisite:** None. **Note:** Recommended for physical education majors and recreation majors and for prospective community youth leaders. **Transfer credit:** CSU, UC, USC.

125
SPORTS OFFICIATING
2 Units
Physical Education 125 is a course in the theoretical and practical techniques of officiating basketball, volleyball, softball, and track and field. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** Participation in basketball, volleyball, and softball. **Note:** Recommended for physical education and recreation majors and for prospective community youth leaders. This course will not fulfill physical education activity requirements. **Transfer credit:** CSU, UC, USC.

126
SPORTS OFFICIATING—TRACK AND FIELD, SOFTBALL
2 Units
Physical Education 126 is a course in the theoretical and practical techniques of officiating softball and track and field. Lecture 2 hours, laboratory 1 hour. **Prerequisite:** None. **Note:** Recommended for physical education majors and recreation majors and for prospective community youth leaders. **Transfer credit:** CSU, UC, USC.

127
PHYSICAL EDUCATION ACTIVITIES
½ -2½ Units
Physical Education 127 is instruction in the fundamentals of individual activities and seasonal sports. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC.
128 NUTRITION AND PHYSICAL FITNESS
(Also listed as Health 128 and Culinary Arts 128)
3 Units
Physical Education 128 is a course in nutrition and physical fitness. It provides the student with an overall study of the relationship between nutrition and physical fitness. The effects of nutrition on the anatomical and physiological aspects of the body are emphasized. The course also examines the production of energy from the intake of a variety of nutritional sources. The process of metabolism as a means toward energy production and physical activity will also be discussed. Meal planning, basic physiology, current nutritional practices, eating disorders, weight control and athletic training are examined as they relate to the nutritional aspects of physical fitness. Lecture 3 hours.
Prerequisite: None. Note: This course may not be taken for credit by students who have completed Health 128 or Culinary Arts 128. This course will not fulfill physical education activity requirements. Transfer credit: CSU, UC, USC

129 STRENGTH AND CONDITIONING FOR INTERCOLLEGIATE ATHLETICS
½-2½ Units
Physical Education 129 is designed to increase strength, flexibility, body coordination (agility), speed, and aerobic/anaerobic conditioning as it relates to optimal athletic performance. Lecture ½-1½ hours, laboratory 1½-3½ hours. Recommended preparation: Enrollment in Intercollegiate Athletics during the school year. Note: This class is structured to provide strength and conditioning programs specific to intercollegiate athletics both during participation and in the "off-season." Transfer credit: CSU, UC, USC

130 ADAPTED ACTIVITIES
½-2½ Units
Physical Education 130 is a diversified program of developmental activities for students with disabilities which prevent their participation in a regular physical education program. The emphasis is on the student's remaining abilities, not their disabilities. Lecture ½-1½ hours, laboratory 1½-3½ hours.
Prerequisite: None. Transfer credit: CSU, UC, USC

131 SELF-DEFENSE FOR THE DISABLED
1-2½ Units
Physical Education 131 is a diversified program of self-defense training and lecture topics that focus on the ability of the disabled to protect and defend themselves. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

132 ADAPTED AQUATICS
1-2½ Units
Physical Education 132 is a diversified program of aquatics for students with disabilities which prevent their participation in a regular physical education aquatics program. The emphasis is on the student's remaining abilities and adapting them to facilitate swimming, water aerobics, and aquatic skills proficiency. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Note: This course is specially designed for students who meet Title V eligibility requirements for Disabled Student Program and Services. Transfer credit: CSU, UC, USC

133 LIFETIME FITNESS AND WELLNESS FOR THE DISABLED
2 Units
Physical Education 133 is a diversified program of fitness, participation, and lecture activities for students with disabilities. It focuses on the unique wellness needs of this population. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: The course is specially designed for students who meet Title V eligibility requirements for Disabled Student Programs and Services. Transfer credit: CSU, UC, USC

140 BEGINNING BADMINTON
½-2½ Units
Physical Education 140 is instruction in the rules and game strategy for competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

141 INTERMEDIATE BADMINTON
½-2½ Units
Physical Education 141 is additional practice and more detailed instruction in fundamentals, development of singles and doubles play, and court strategy. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Physical Education 140. Transfer credit: CSU, UC, USC

145 ADVANCED BASEBALL
1-2½ Units
Physical Education 145 offers instruction and opportunities for skill development in techniques for competitive baseball participation. Advanced offensive and defensive strategies are covered and a comprehensive physical training program is implemented to prepare students for competition. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Recommended preparation: Some competitive baseball experience. Transfer credit: CSU, UC, USC

146 ADVANCED BASEBALL THEORY
2 Units
Physical Education 146 covers advanced theory and strategies used in the sport of baseball. Lecture 2 hours, laboratory 1 hour. Prerequisite: Physical Education 149. Note: Physical Education 146 is recommended for Physical Education majors and students planning to participate in varsity baseball for a second year. Transfer credit: CSU, UC, USC

147 OFF-SEASON TRAINING FOR INTERCOLLEGIATE BASEBALL
½-2½ Units
Physical Education 147 is instruction in rules and game strategy for baseball as well as practice in fundamental techniques of throwing, fielding, batting, and team play. Fall Semester only. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

148 INTERCOLLEGIATE BASEBALL
½-2½ Units
Physical Education 148 is development of team play for competitive participation. Spring Semester only. Daily. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some previous playing experience in baseball. Note: Limited to students trying out for the varsity team. Transfer credit: CSU, UC, USC

149 BASEBALL THEORY
2 Units
Physical Education 149 covers the theoretical foundations of the sport of baseball. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: Physical Education 149 is recommended for Physical Education majors and students planning to participate in varsity baseball. Transfer credit: CSU, UC, USC
150
BEGINNING BASKETBALL
½-2½ Units
Physical Education 150 is instruction and practice in the fundamental techniques and rules of the game. Development of team play and competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

154
INTERMEDIATE BASKETBALL
½-2½ Units
Physical Education 154 is instruction in rules and game strategy, practice in fundamental techniques. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Recommended preparation: Some competitive basketball experience. Transfer credit: CSU, UC, USC

155
ADVANCED BASKETBALL – MEN
1-2½ Units
Physical Education 155 offers instruction and opportunities for skill development in techniques for competitive basketball participation. Advanced offensive and defensive strategies are covered and a comprehensive physical training program is implemented to prepare students for competition. Lecture ½ – 1½ hours. Laboratory 1½ - 3½ hours. Prerequisite: None. Recommended preparation: Some competitive basketball experience. Transfer credit: CSU, UC

156
ADVANCED BASKETBALL – WOMEN
1-2½ Units
Physical Education 156 offers instruction and opportunities for skill development in techniques for competitive basketball participation. Advanced offensive and defensive strategies are covered and a comprehensive physical training program is implemented to prepare students for competition. Lecture ½ - 1½ hours. Laboratory 1½ - 3½ hours. Prerequisite: None. Recommended preparation: Some competitive basketball experience. Transfer credit: CSU, UC

157
INTERCOLLEGIATE BASKETBALL—MEN
½-2½ Units
Physical Education 157 is individual instruction and development of team play for competitive participation. Fall semester only. Daily. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some experience on an organized team. Note: Limited to students competing on an organized team. Transfer credit: CSU, UC, USC

160
INTERCOLLEGIATE BASKETBALL—WOMEN
½-2½ Units
Physical Education 160 provides the opportunity for individual instruction and development of team play for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some previous playing experience in basketball. Note: Limited to students competing for the varsity team. Transfer credit: CSU, UC, USC

164
RHYTHMIC AEROBICS
(Also listed as Dance 164)
½-2½ Units
Physical Education 164 offers vigorous exercise set to contemporary music. The course is designed for students wishing to develop or maintain aerobic fitness while also learning about the physiology of fitness. Routines of rhythmic exercise are designed to develop or maintain cardiorespiratory endurance and body flexibility. The course is designed for students at all levels of fitness. Lecture ½-1½, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

166
WEIGHT TRAINING FOR WOMEN
½-2½ Units
Physical Education 166 is designed to give the female student an opportunity to develop a physical fitness program through weight training. It provides opportunity for the further development of body flexibility, strength and coordination, along with contributing to the general physical well-being of the individual. Students will be prepared to set up and design a personal weight training program to fit their individual needs. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

167
WEIGHT TRAINING AND CONDITIONING
(Formerly Body Mechanics and Weight Training)
½-2½ Units
Physical Education 167 is conditioning exercises to increase body flexibility and strength of musculature in various parts of the body; to develop skilled body control with respect to agility, balance, and coordination; and to produce skills in relaxation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

168
INTERMEDIATE WEIGHT TRAINING AND CONDITIONING
(Formerly Intermediate Body Mechanics)
½-2½ Units
Physical Education 168 is conditioning exercises to increase strength, body flexibility, and overall physical fitness. Instruction and practice and techniques of weight training. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Physical Education 167 or equivalent. Transfer credit: CSU, UC, USC

169
BODY MECHANICS—WOMEN
½-2½ Units
Physical Education 169 offers the student experiences in conditioning exercises to increase body flexibility, increase cardiorespiratory endurance, and increase the strength of the musculature in various parts of the body. The course helps to develop skilled body control with respect to agility, balance, and coordination; and to produce skills in relaxation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

172
INTERCOLLEGIATE CROSS COUNTRY—MEN
½-2½ Units
Physical Education 172 is designed for competitive participation. Fall semester only. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Note: Recommended for distance runners and track students wishing to condition themselves for track. Transfer credit: CSU, UC, USC

173
INTERCOLLEGIATE CROSS COUNTRY—WOMEN
2½ Units
Physical Education 173 is designed to offer women competitive participation in cross-country running. Fall semester only. Lecture 1½ hours, laboratory 3½ hours. Prerequisite: None. Note: Recommended for distance runners and track students wishing to condition themselves for track. Transfer credit: CSU, UC, USC
194
**STRUCTURAL DYNAMICS AND STRETCH**  
(Also listed as Dance 194)  
½-2½ Units

Physical Education 194 provides practical experience through exercise in conjunction with discussion periods to enable the student to develop a knowledge of body-mind interaction in the area of athletics. The student learns how to influence and control this interaction, with regard to pain and energy flow, suppleness, relaxation, strength and stress factors. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

195
**FOOTBALL THEORY**  
2 Units

Physical Education 195 is theory and development of offensive and defensive formations and strategies. Lecture 4 hours. **Prerequisite**: None. **Note**: Recommended for physical education majors. This course may be taken 2 times; a maximum of 4 units may be earned. **Transfer credit**: CSU, UC, USC

196
**ADVANCED FOOTBALL THEORY**  
2½ Units

Physical Education 196 covers advanced theoretical foundations and strategies of football. Lecture 4 hours, laboratory 1 hour. **Prerequisite**: Physical Education 195. **Note**: Recommended for Physical Education majors and students who are participating in varsity football for a second year. **Transfer credit**: CSU, UC, USC

197
**OFF-SEASON TRAINING FOR INTERCOLLEGIATE FOOTBALL**  
½-2½ Units

Physical Education 197 is instruction and practice in techniques of individual offense and defense. Spring semester only. Lecture 1½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

198
**INTERCOLLEGIATE FOOTBALL**  
½-2½ Units

Physical Education 198 is development of team play for competitive participation. Fall semester only. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: Previous experience on an organized football team. **Note**: Limited to students wishing to compete on the varsity team. **Transfer credit**: CSU, UC, USC

199
**ATHLETIC TRAINING AND CONDITIONING FOR INDIVIDUAL AND TEAM SPORTS**  
1-2 Units  
**NON-DEGREE APPLICABLE**

Physical Education 199 offers instruction and practice in skill development, cardiovascular conditioning, and strength training for preparation for athletic participation in both individual and team sports. Sport-specific strategies are covered and a comprehensive physical training program is implemented to prepare students for competition. Lecture ½ to 1 hour, laboratory 1½ to 3 units. **Prerequisite**: None

200
**TOUCH FOOTBALL**  
½-2½ Units

Physical Education 200 is instruction and practice in fundamentals, with the development of team play and competition. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

201
**BEGINNING GOLF**  
½-2½ Units

Physical Education 201 is instruction and practice in the fundamentals of golf. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

202
**INTERMEDIATE GOLF**  
½-2½ Units

Advanced instruction and practice on the golf course are included in this course. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: Physical Education 202 or equivalent. **Transfer credit**: CSU, UC, USC

203
**INTERCOLLEGIATE GOLF**  
½-2½ Units

Physical Education 203 is development of play for competitive participation. Spring semester only. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: Some previous playing experience in golf. **Note**: Limited to students competing for the varsity team. **Transfer credit**: CSU, UC, USC

204
**BEGINNING GYMNASTICS**  
½-2½ Units

Physical Education 204 covers techniques in tumbling and apparatus activities with emphasis upon body balance, coordination, and rhythm. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

205
**PADDLE TENNIS**  
½-2½ Units

Physical Education 205 is instruction and practice in the basic strokes, fundamental techniques, and rules of the game. A sport very similar to regular tennis. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

206
**RUNNING AEROBICS**  
1-2½ Units

Physical Education 206 is introduction and practice in running aerobics as a lifetime activity. The purpose of this course is to make the student aware of the physiological and psychological benefits derived from running aerobics. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

207
**SELF DEFENSE FOR THE WOMAN**  
½-2½ Units

Physical Education 207 teaches practical self defense techniques for women stressing both physical and psychological preparedness for defense. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

208
**SOCCER THEORY**  
2 Units

Physical Education 208 is designed for men and women. It covers the theoretical foundations of the sport of soccer, with emphasis on strategy, game tactics, philosophy, and FIFA laws of the game. Lecture 2 hours, laboratory 1 hour. **Prerequisite**: None. **Note**: Physical Education 208 is recommended for Physical Education majors and students planning to participate in varsity soccer. **Transfer credit**: CSU, UC, USC

209
**SOCCER**  
½-2½ Units

Physical Education 209 is instruction and practice in the basic fundamentals, techniques, and rules of soccer. Development of team play, with emphasis on offensive and defensive strategy. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC
230 INTERCOLLEGIATE SOCCER—MEN
½-2½ Units
Physical Education 230 is instruction and practice in intercollegiate play including techniques, rules, strategy, and history as well as comprehensive physical training. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Recommended preparation:** Some previous playing experience in soccer. **Transfer credit:** CSU, UC, USC

231 SOFTBALL
½-2½ Units
Physical Education 231 will furnish practice in the fundamental skills of throwing, fielding, hitting, and team play. Instruction in rules and game strategy will be given. Conditioning and stretching exercises are presented to increase strength and flexibility. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** None. **Recommended preparation:** Some previous playing experience in softball. **Transfer credit:** CSU, UC, USC

234 ADVANCED SOFTBALL
1-2½ Units
Physical Education 234 offers instruction and opportunities for skill development in techniques for competitive participation. Advanced offensive and defensive strategies are covered and a comprehensive physical training program is implemented to prepare students for competition. Lecture ½-1½ hours. Laboratory 1½-3½ hours. **Prerequisite:** None. **Recommended preparation:** Some competitive softball experience. **Transfer credit:** CSU, UC, USC

235 INTERCOLLEGIATE SOFTBALL
½-2½ Units
Physical Education 235 provides the opportunity for individual instruction and development of team play for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** Some previous playing experience in softball. **Note:** Limited to students competing for the varsity team. **Transfer credit:** CSU, UC, USC

236 SOFTBALL THEORY
2 Units
Physical Education 236 covers the theoretical foundations of the sport of softball. Lecture 2 hours, laboratory 1 hour. **Prerequisite:** None. **Note:** Physical Education 236 is recommended for Physical Education majors and students planning to participate in the Intercollegiate Varsity Softball Team. **Transfer credit:** CSU, UC, USC

241 SOCCER—WOMEN
½-2½ Units
Physical Education 241 offers instruction and practice in the basic fundamentals, techniques, and rules of soccer. Students learn the development of team play with emphasis on offensive and defensive strategy. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

243 INTERCOLLEGIATE SOCCER—WOMEN
2½ Units
Physical Education 243 is instruction and practice in intercollegiate play including techniques, rules, strategy, and history as well as comprehensive physical training. Lecture 1½ hours, laboratory 3½ hours. **Prerequisite:** None. **Note:** Some experience playing soccer is recommended. **Transfer credit:** CSU, UC, USC

246 OFF-SEASON TRAINING FOR INTERCOLLEGIATE SOCCER
½-2½ Units
Physical Education 246 offers instruction and practice in intercollegiate play including techniques, rules, strategy, and history as well as comprehensive physical training. Physical Education 267 offers advanced techniques for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** Some previous playing experience in tennis. **Note:** Limited to students trying out for the varsity team. **Transfer credit:** CSU, UC, USC

263 ADVANCED TENNIS
½-2½ Units
Physical Education 263 offers individual instruction and development of advanced techniques for competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** Physical Education 262 or equivalent. **Transfer credit:** CSU, UC, USC

266 INTERCOLLEGIATE TENNIS—MEN
½-2½ Units
Physical Education 266 is development of team play for competitive participation. Offered Spring semester only. Daily. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** Some previous playing experience in tennis. **Note:** Recommended for students trying out for the varsity team. **Transfer credit:** CSU, UC, USC

267 INTERCOLLEGIATE TENNIS—WOMEN
½-2½ Units
Physical Education 267 offers advanced techniques for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. **Prerequisite:** Some previous playing experience in tennis. **Note:** Recommended for students trying out for the varsity team. **Transfer credit:** CSU, UC, USC

268 ADVANCED TRACK AND FIELD—MEN
1-2½ Units
Physical Education 268 offers instruction and opportunities for skill development in techniques for competitive track and field participation. Advanced techniques and skill development programs are covered and a comprehensive physical training program is implemented to prepare students for competition. Lecture ½-1½ hours. Laboratory 1½-3½ hours. **Prerequisite:** None. **Recommended preparation:** Some competitive track and field experience. **Transfer credit:** CSU, UC, USC
269 ADVANCED TRACK AND FIELD—WOMEN
1½ Units
Physical Education 269 offers instruction and opportunities for skill development in techniques for competitive track and field participation. Advanced techniques and skill development programs are covered and a comprehensive physical training program is implemented to prepare students for competition. Lecture ½-⅔ hours, laboratory 1⅔-3½ hours. **Prerequisite:** None. **Recommended preparation:** Some competitive track and field experience. **Transfer credit:** CSU, UC, USC

270 OFF-SEASON TRAINING FOR INTERCOLLEGIATE TRACK AND FIELD
⅔-2½ Units
Physical Education 270 is instruction and practice in fundamental techniques of running and field events. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

272 INTERCOLLEGIATE TRACK AND FIELD—MEN
⅓-2½ Units
Physical Education 272 is designed for competitive participation. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** None. **Note:** Spring semester only. Limited to students trying out for the varsity team. **Transfer credit:** CSU, UC, USC

273 INTERCOLLEGIATE TRACK AND FIELD—WOMEN
2½ Units
Physical Education 273 is designed for competitive participation in track and field. Lecture 1½ hours, laboratory 3½ hours. **Prerequisite:** None. **Note:** Spring semester only. Limited to students trying out for the varsity team. **Transfer credit:** CSU, UC, USC

274 BEGINNING VOLLEYBALL
½-2½ Units
Physical Education 274 offers instruction and practice in volleyball techniques with team tournaments. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

275 INTERMEDIATE VOLLEYBALL
½-2½ Units
Physical Education 275 offers instruction and practice in volleyball techniques with team tournaments for experienced players. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** Physical Education 274 or equivalent. **Transfer credit:** CSU, UC, USC

276 ADVANCED VOLLEYBALL
½-2½ Units
Physical Education 276 gives the student the opportunity for development of advanced techniques in volleyball for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** Physical Education 275 or equivalent. **Transfer credit:** CSU, UC, USC

281 INTERCOLLEGIATE VOLLEYBALL—MEN
½-2½ Units
Physical Education 281 offers instruction and practice in individual fundamentals, development of team play and court strategy for competitive participation. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** Previous playing experience in volleyball. **Note:** Recommended for physical education majors. Limited to students trying out for varsity volleyball teams. **Transfer credit:** CSU, UC, USC

282 INTERCOLLEGIATE VOLLEYBALL—WOMEN
½-2½ Units
Physical Education 282 provides the opportunity for individual instruction of development of team play for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** Some previous playing experience in volleyball. **Note:** Limited to students competing for the varsity team. **Transfer credit:** CSU, UC, USC

294 STRESS REDUCTION
½-2½ Units
Physical Education 294 will provide the student with specific tools for recognizing and combating stress. Attention will be given to the physiological aspects of stress along with practical knowledge of stress reduction techniques. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC

295 WALKING FOR HEALTH & FITNESS
½-2½ Units
Physical Education 295 is an introduction to the benefits of an organized walking program. The class provides the student with various methods of walking to achieve whole-body fitness, flexibility, and increased cardiovascular health efficiency. The course also discusses methods of using walking as a form of weight control and stress management in addition to achieving a healthful lifestyle. This class is ideal for the student wishing a low-impact aerobic work-out. Lecture ½-1½ hours, laboratory 1⅔-3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

**PHYSICAL SCIENCE**

131 GENERAL PHYSICAL SCIENCE
4 Units
Physical Science 131 is designed to give a cultural appreciation of the scientific method and an elementary working knowledge of the fields studied. Emphasis is placed on the scientific theories. The course is an integrated survey of physics, chemistry, geology, and astronomy. Elementary mathematical concepts are introduced as required. Lecture 4 hours, discussion 1 hour, laboratory 1 hour. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC
PHYSICS

101/101H
ENGINEERING PHYSICS
HONORS ENGINEERING PHYSICS
5 Units
Physics 101 involves the study of mechanics and properties of matter. The course is an intensive study of motion, dynamics and statics, oscillations, wave motion, and sound, with emphasis upon vector analytical methods. The Macintosh computer and spreadsheets are used extensively.

The honors course will be enhanced in one or more of the following ways:
1. Readings from Principia, Newton’s original formulation of mechanics
2. An internet paper and PowerPoint presentation on topics in contemporary mechanics such as:
   - gyroscopic stability
   - G.P.S. systems
   - Celestial mechanics
3. Special, more advanced homework sets. Lecture 5 hours, laboratory 3 hours. Prerequisite: Physics 105 or physics taken in high school with a grade of B or better and Mathematics 103. (Mathematics 104 must be taken concurrently with or prior to taking Physics 101.) Note: Physics 101 is restricted to engineering and science majors. Transfer credit: CSU, UC, USC (CAN PHYS 8) (PHYS 101 & 102 & 103 CAN PHYS SEQ B)

102/102H
ENGINEERING PHYSICS
HONORS ENGINEERING PHYSICS
4 Units
Physics 102 is a study of static electricity including Gauss’ Law, potentials and electric fields, direct and alternating current theory, laws of magnetism and magnetic properties of matter, electromagnetism and induced currents, Maxwell’s equations and radiation theory.

The honors course will be enhanced in one or more of the following ways:
1. Learning mathematical programs such as Mathematica or Scientific Word.
2. Special, more advanced homework sets using Mathematica or Scientific Word. Lecture 4 hours, laboratory 2 hours. Prerequisite: Physics 101 and Mathematics 104. Transfer credit: CSU, UC, USC (CAN PHYS 12) (PHYS 101 & 102 & 103 CAN PHYS SEQ B)

103/103H
ENGINEERING PHYSICS
HONORS ENGINEERING PHYSICS
5 Units
Physics 103 covers heat, thermodynamics, optics, and modern physics and involves an intensive study of the concepts of fluids, temperature, heat, calorimetry, heat transfer, thermodynamics, entropy, and kinetic theory. The course focuses on a thorough presentation of geometrical and physical optics with considerable emphasis on modern physics including quantum physics, wave mechanics, and special relativity.

The honors course will be enhanced in one or more of the following ways:
1. An internet paper and PowerPoint presentation on topics in contemporary optics and thermo-dynamics such as:
   - fiber optics
   - laser communication
   - laser therapy
   - solar engineering
   - solar power systems
2. A spreadsheet solution of an engineering problem of advanced difficulty.
Lecture 5 hours, laboratory 2 hours. Prerequisite: Physics 101 and Mathematics 104. Transfer credit: CSU, UC, USC (PHYS 14) (PHYS 101 & 102 & 103 CAN PHYS SEQ B)

105
GENERAL PHYSICS
4 Units
Physics 105 is a general course that focuses on properties of matter, mechanics, heat, wave motion, and sound. It includes lectures, demonstrations, problems, and laboratory work. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. Prerequisite: Algebra and trigonometry (Mathematics 102 or 110, or equivalent). Note: Required of pre-dental and pre-medical students. Transfer credit: CSU, UC, USC (CAN PHYS 2) (PHYS 105 & 106 CAN PHYS SEQ A)

106
GENERAL PHYSICS
4 Units
Physics 106 is a general course that focuses on the study of light, electricity, magnetism, and modern physics. It includes lectures, demonstrations, problems, and laboratory work. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. Prerequisite: Physics 105. Note: Required of pre-dental and pre-medical students. Transfer credit: CSU, UC, USC (CAN PHYS 4) (PHYS 105 & 106 CAN PHYS SEQ A)

110
INTRODUCTION TO PHYSICS
3 Units
Physics 110 is a brief presentation of some of the more important and usual phenomena in physics with classroom demonstrations and lectures in mechanics, heat, sound, light, magnetism, and modern physics. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Physics 101 or 105. Transfer credit: CSU, UC, USC

APPLIED PHYSICS
See Technical Education 145

PHYSIOLOGY
See Biology 121

POLITICAL SCIENCE

101
INTRODUCTION TO GOVERNMENT
3 Units
Political Science 101 is an introduction to the principles and problems of government in the United States with emphasis placed on the Federal government and politics at the national level. Political Science 101 meets the California State requirement in the United States Constitution. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: Political Science 101 allows only one unit of credit for students who have completed Political Science 105 or Social Science 132. Recommended for students seeking a Baccalaureate (4-year) degree. Transfer credit: CSU, UC, USC (POL.SCI. 101 & 106 CAN GOVT2)

102
MODERN COMPARATIVE GOVERNMENTS
3 Units
Political Science 102 is a comparative study of the constitutional principles, governmental institutions, political parties, and recent history of policy and action of selected foreign governments. Lecture 3 hours. Prerequisite: Political Science 101 or 103 or 105 or Social Science 125 or 126, 132. Transfer credit: CSU, UC, USC
103/103H INTRODUCTION TO WORLD POLITICS
HONORS INTRODUCTION TO WORLD POLITICS
3 Units
Political Science 103 develops an intellectual framework which will order students' thoughts on world politics and enable them to analyze and evaluate present and potential issues and events that affect international power and the pursuit of peace. The honors course will be enhanced in one or more of the following ways:
1. Students will write a research paper on a controversial topic in world politics designed to develop analytical skills.
2. Debates will occur between pairs of students on a controversial topic in world politics designed to develop their verbal analytical skills.
3. Assignments of important theories in world politics to be presented by students in class in order to develop their analytical skills.
Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

105 AMERICAN POLITICAL IDEALS
2 Units
Political Science 105 is a study of the theory and practices of the American democratic political process and formal institutional functions. Special emphasis is placed on the Federal Constitution and how it operates in the context of political democracy. The role of parties and groups in politics is analyzed. Political Science 105 meets the California State requirement in the United States Constitution. Lecture 2 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: It is recommended that this course be taken after the completion of the Constitution requirement. This course or Social Science 132 is a graduation requirement. This course may not be taken for credit by students who have completed Social Science 132. Students who have successfully completed Political Science 105 will be granted only two units of credit for completion of Political Science 151. Students who have successfully completed Political Science 105 and 106 will not be granted credit for Political Science 151. Transfer credit: CSU (Pol.Sci. 101 & 106 CAN GOVT 2)

110 CONTEMPORARY WORLD PROBLEMS
3 Units
Political Science 110 examines the controversial issues in world politics—from regional conflicts, international economic relations, arms and disarmament, human rights and foreign policy, to environmental considerations. The format of the course is multidimensional, using lecture, discussion, and debate techniques. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC (Transfer limitation: See counselor.)

111 THE MODERN MIDDLE EAST: ITS POLITICAL AND ECONOMIC IMPACT
3 Units
Political Science 111 is a survey of the historical background and current politics of the Middle East. Topics covered include: introduction to the land, peoples, cultures, and religions; overview of the history of the region, with an emphasis on the Eastern Question; emergence of the modern nation-states following World War I; internal political developments in major countries up to the present; Westernization and Islamic resurgence; regional conflicts and international connections; the economic and political impact of oil; European and Soviet influences; Middle East lobbies in the United States and U.S. foreign policy. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

151 FUNDAMENTALS OF GOVERNMENT AND YOU
3 Units
Political Science 151 deals with the individual as a student, as a worker, and as a member of society. It examines the benefits, controls, and rights of the individual which result from our political system as it operates through government. Meets the requirements of the A.A. Degree in the United States Constitution and state and local government. Lecture 3 hours. Recommended preparation: English 191 or eligibility for ESL 151 or English 120. Note: Students who have successfully completed Political Science 106 will be granted only two units of credit for completion of Political Science 151. Students who have successfully completed Political Science 105 and Political Science 106 will not be granted credit for Political Science 151.

PRESCHOOL CHILD
See Child Development 135

PSYCHOLOGY

101/101H GENERAL PSYCHOLOGY
HONORS GENERAL PSYCHOLOGY
3 Units
Psychology 101 is an intensive study of human behavior. The course examines scientific principles, biological basis of behavior, sensation, perception, learning, memory, motivation, thinking, individual differences, intelligence, personality, behavior disorders, and therapeutic behavior change. The honors course will be enhanced in one or more the following ways:
1. Students will have an increased responsibility for leading class discussions and critical thinking exercises.
2. Homework assignments will be focused on critical thinking and the analysis of important topics related to psychology. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: Sophomore standing preferred. Transfer credit: CSU, UC, USC (CAN PSY 2)
103 PHYSIOLOGICAL PSYCHOLOGY
3 Units
Psychology 103 is an exploration of the relationship between mind and body, emphasizing the neurological correlates of behavior. The course includes the structure and functions of the nervous system, methodology, concepts of physiological psychology, and current developments. Lecture 3 hours.
Prerequisite: Psychology 101. Transfer credit: CSU, UC, USC

104 SOCIAL PSYCHOLOGY
3 Units
Psychology 104 deals with people as social beings. Topics covered include moral development, cooperation and competition, conflict and war aggression, prejudices, attitudes, conformity, sexual behavior, group processes, non-verbal communication, interpersonal attraction, and altruism. Lecture 3 hours. Prerequisite: Psychology 101. Transfer credit: CSU, UC, USC

105 PSYCHOLOGY OF HUMAN SEXUALITY
3 Units
Psychology 105 is a survey of human sexuality. The course focuses on internal and external anatomy, physiological functioning and dysfunctioning, causes and possible corrections of dysfunctions. It covers such matters as conception, pregnancy, childbirth, methods of birth control and family planning, and cultural and psychological influences. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

106 DEVELOPMENTAL PSYCHOLOGY
3 Units
Psychology 106 is the study of the psychological development of the person from the prenatal period through old age and death. This course emphasizes theories and their applications to physical, cognitive, social, and emotional development throughout the human life-span. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

108 THE PSYCHOLOGY OF LOSS EXPERIENCE
3 Units
Psychology 108 is a study of loss experiences, including but not limited to loss by death, together with their impact on the grieving survivor. This course examines historical and contemporary attitudes and practices and the historical factors that have influenced significant changes between the two. Various kinds of losses are defined and explored. Stages of dying, death preparation, and stages of griefing and recovery are included together with recommendations from modern experts for facilitating recovery. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

109 INTRODUCTION TO GERONTOLOGY
3 Units
(Also listed as Sociology 105)
Psychology 109 is an introduction to the study of social gerontology, aging and its implications for the individual and society utilizing a multidisciplinary approach. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Sociology 105. Transfer credit: CSU, UC, USC

110 THE PSYCHOLOGY OF PERSONAL AND SOCIAL ADJUSTMENT
3 Units
Psychology 110 is a study of the processes of human adjustment. The characteristics of healthy and unhealthy personality patterns, and the forces that shape them, will be studied. Psychological principles are applied to problems of personal growth, self-awareness, problem-solving, stress and crisis management and interpersonal relationships and the skills needed to maintain them in various life situations. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

111 WOMEN: MIND AND BODY
3 Units
Psychology 111 is an investigation into traditional and nontraditional medical model health delivery systems, with special emphasis on women and their bodies. Major topics covered are women as research subjects, cross-cultural perspectives on the use of health care, and current research findings on menstruation, pregnancy, menopause, sexually transmitted diseases, HIV, cancer, and cardiovascular diseases. Psychological concepts of fitness, nutritional awareness, belief systems and emotional management, and stress reduction are addressed. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: No credit will be given if Health 104 or Health 106 have been completed. Transfer credit: CSU, UC, USC

113 PSYCHOLOGY OF WOMEN
3 Units
Psychology 113 is a study of the psychological factors which contribute to the present emotional, sexual and economic status of the American woman. This study is designed to help the student better understand the experiences of women through the examination of family structure, social structure, female sexuality and self-esteem. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

114 PSYCHOLOGY OF HUMAN COMMUNICATION
3 Units
Psychology 114 is a study of the process of human communication. The characteristics of effective communication and its uses are studied and the specific skills for the achievement of effective communication are explored. The application of communication skills to the building of interpersonal relationships, the resolution of conflicts, and the attainment of personal growth are included in this course of study. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU
115 ABNORMAL PSYCHOLOGY
3 Units
Psychology 115 deals with maladaptive or abnormal behavior of human beings. Topics covered include classifications, clinical pictures, causal factors, treatment and outcomes of maladaptive patterns, assessment, therapy, and prevention. Lecture 3 hours. Prerequisite: Psychology 101. Transfer credit: CSU, UC, USC

131 MARRIAGE AND INTIMATE RELATIONSHIPS
(Also listed as Sociology 131)
3 Units
Psychology 131 studies, with an emphasis on psychological and sociological theories and research, the development of traditional and contemporary patterns of people living together. Topics examined include the historical development of marriage, diverse lifestyles (including single-parenting, the blended family, and gay and lesbian partnerships), partner compatibility, communication techniques, intimacy, conflict, child-rearing, dissolution of partnerships, and speculation about the future of relationships. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Sociology 131. Transfer credit: CSU

QUALITY ASSURANCE

101 PROCESS AND PRODUCTION PLANNING
3 Units
Quality Assurance 101 is an introduction to the concepts of industrial production planning. Emphasis is placed on technical skills required in efficiently creating and planning work orders and related documentation to meet industrial standards. Lecture 3 hours. Prerequisite: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU

QUALITY CONTROL

101 PRINCIPLES OF METROLOGY
3 Units
Quality Control 101 presents the principles of measurement systems, units, measurement standards, and calibration control. Metrological basics, dimensions, and traceability are presented as they relate to quality control. Lecture 3 hours. Prerequisite: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU

102 QUALITY CONTROL APPLICATION
3 Units
Quality Control 102 is an analysis of engineering drawing and technical skills in researching standard requirements used in creating practical work-sequenced assembly methods. Lecture 3 hours. Prerequisite: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU

103 STATISTICAL PROCESS CONTROL
3 Units
Quality Control 103 presents an in-depth study of probability and statistics in relation to quality control. Emphasis is placed on current industrial standards and procedures used throughout the Aerospace Industry. Lecture 3 hours. Prerequisite: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU

REAL ESTATE

101 REAL ESTATE PRINCIPLES
3 Units
Real Estate 101 covers the basic laws and principles of California real estate and gives understanding, background, and terminology necessary for advanced study in specialized courses. The course is of assistance to those preparing for the real estate sales license examination. Lecture 3 hours. Prerequisite: None. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU

105 REAL ESTATE PRE-LICENSE
3 Units
Real Estate 105 is a course that reviews all the material necessary to take the Department of Real Estate Salesperson's or Broker's Examination. Students learn the financial, economic, and political aspects of real estate practice in California. Regulations of the real estate business and licensing of real estate brokers and salespersons are discussed in detail. In addition, the license law, the subdivision law administered by the Real Estate Commissioner, and extracts from other pertinent California codes, are presented. Lecture 3 hours. Prerequisite: Real Estate 101 or equivalent.

120 REAL ESTATE PRACTICE
3 Units
Real Estate 120 covers the day-to-day operations from the viewpoint of the real estate salesperson. The topics covered include: listing, prospecting, advertising, financing, sales techniques, escrow, and ethics. This course applies toward the State of California's educational requirement for the salesperson's and broker's examination. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

125 REAL ESTATE SALES SOFTWARE
1 Unit
Real Estate 125 is designed to introduce students to computers and teach them how to use the computer as a tool in the real estate industry. The course's primary emphasis is on understanding the theories and concepts of the computer and how use of the computer is going to change the concepts and theories taught in other real estate courses. Current software emphasizing database management and remote communicating is taught. Lecture 1 hour, laboratory 3 hours (8 weeks). Recommended preparation: Real Estate 101. Transfer credit: CSU
130
REAL ESTATE ECONOMICS
3 Units

Real Estate 130 deals with those trends and factors which affect the value of real estate; the nature and classification of land economics; the development of property, construction and subdivision; economic values and real estate evaluation; real estate cycles and business fluctuations, residential market trends, real property, and special purpose property trends. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

140
LEGAL ASPECTS OF REAL ESTATE
3 Units

Real Estate 140 is a study of California real estate law, including rights incident to property ownerships and management, agency, contracts, and application to real estate transfer, conveyancing, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. This course applies toward education requirement of broker's examination. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

150
REAL ESTATE FINANCE
3 Units

Real Estate 150 analyzes real estate financing, including lending policies and problems in financing transactions in residential, apartment, commercial, and special purpose properties. Methods of financing properties are emphasized. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

160
REAL ESTATE APPRAISAL I
3 Units

Real Estate 160 covers the purposes of appraisals, the appraisal process, and the different approaches, methods, and techniques used to determine the value of various types of property. Emphasis is on residential and single-unit property. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

161
REAL ESTATE APPRAISAL II
3 Units

Real Estate 161 covers real estate appraisal including methods of appraising such properties as apartment buildings, industrial properties, subdivisions, and rural properties. Lecture 3 hours. Prerequisite: Real Estate 160. Transfer credit: CSU

180
MORTGAGE LOAN BROKERING
3 Units

Real Estate 180 details the requirements for granting licenses to loan on real property in California. Lecture 3 hours. Recommended preparation: Real Estate 101 or equivalent. Transfer credit: CSU

190
PROPERTY MANAGEMENT
3 Units

Real Estate 190 is a basic course in the management of income properties which analyzes specific types of properties that are managed; formulates and discusses the major problems of leasing, collections, rent schedules, tenant selection, neighborhood analysis, purchasing, evictions, preventive maintenance, depreciation, record keeping, and economics of property; and compiles a set of procedures for practical utilization in property management. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

250
ESCROW I
3 Units

Real Estate 250 is an introduction to the terminology, legal aspects, and process in the escrow function in real estate transactions. Emphasis is on the process of taking, processing, and closing of escrow. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

109
RECREATION LEADERSHIP
2 Units

Recreation Leadership 109 is a basic training course for playground directors and recreation leaders. A study in the organization and administration of community and school recreation programs. Emphasis is placed on training in leadership techniques and on the development of programs in recreation, sports, and athletics. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: Recommended for physical education majors and students entering the recreation field. Transfer credit: CSU

101
ELEMENTARY RUSSIAN I
5 Units

Russian 101 covers the Russian alphabet, its letters and their sounds, and the fundamentals of Russian grammar. Students are taught to pronounce correctly, to acquire a practical vocabulary, and to understand, read, write, and speak simple Russian. Lecture 5 hours, laboratory ½ hour. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course is not intended for students with oral proficiency or who have attended schools where Russian was the language of instruction. Transfer credit: CSU, UC, and USC

102
BEGINNING RUSSIAN II
5 Units

Russian 102 continues to present the fundamentals of Russian grammar. The skill of listening comprehension, speaking, reading, and writing of contemporary standard Russian are developed at a basic level. Lecture 5 hours, laboratory ½ hour. Prerequisite: Russian 101 or equivalent. Note: This class is not designed for native speakers of Russian. Transfer credit: CSU, UC, and USC

105
PHYSICAL EDUCATION AND RECREATION FOR THE HANDICAPPED
2 Units

Recreation Leadership 105 is designed to train people to provide physical education and recreational activities for the handicapped, this course helps the student understand and appreciate needs, desires, and problems related to various handicaps as well as learn how to provide such activities. Lecture 2 hours, laboratory 2 hours. Prerequisite: None. Transfer credit: CSU
111 BASIC CONVERSATIONAL RUSSIAN II
3 Units
Russian 111 is a further study of the language with continued emphasis on developing essential communication skills. Fundamentals of grammar and oral expression are stressed. The course further develops a working knowledge of reading and writing as well. Lecture 3 hours. Prerequisite: Russian 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

SIGN LANGUAGE
See American Sign Language

SOCIAL SCIENCE
101 INTRODUCTION TO EDUCATION
3 Units
Social Science 101 is an introductory course designed to acquaint the student with the field of education. The course covers teacher preparation, the professional qualifications needed by the teacher, the duties and opportunities of the professional educator, and the contemporary issues in the field of education. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

122 MEXICAN-AMERICAN STUDIES
3 Units
Social Science 122 is designed to provide the student with an understanding and appreciation of the social, political, economic and cultural experiences of the Mexican people in the United States. The course focuses on the Chicano experience after the signing of the Treaty of Guadalupe Hidalgo in 1848. The course continues to explore and analyze the contemporary problems of the Chicano people throughout the nation. Special attention is given to such topics as: immigration, political and labor participation, education, the family and cultural expression. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

123 ASIANS IN AMERICA
3 Units
Social Science 123 is a survey course which examines the experience of Asian American groups (Chinese, Japanese, Filipinos, Koreans, and others) from the mid-nineteenth century to the present. The course emphasizes these themes as it considers each immigrant group: stereotypes, push and pull factors in immigration, labor experiences, racism and discrimination in American society as applied to Asian Americans, contributions of Asian Americans to American society, community life before and since World War II, problems of the Asian American community today. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

124 INTERNATIONAL/INTERCULTURAL STUDIES
3 Units
Social Science 124 is designed to provide a critical and analytical introduction to the problems of global understanding. Studies are conducted on the ways in which the individual personality is shaped in a particular culture and civilization. The course is designed for all students, regardless of cultural background, who wish to enhance their ideas of what it means to belong in a peer group, or in a family, or in the larger community. This is a cross-cultural communication skills building course. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

125 THE AMERICAN EXPERIENCE—AMERICAN HERITAGE
3 Units
Social Science 125 covers issues and events from colonial times through the Civil War which are discussed and evaluated in relation to their social, cultural, political, and economic significance. Important contributions of significant men and women to the historical development of the country are highlighted. Students are introduced to the contemporary American political process and its formal institutional functions in a comparative study of federal, state, and local governments. The operation of the federal constitution in a political democracy is emphasized. The roles of political parties and special interest groups are examined. Students learn the structure and function of government in relation to the individual. Major rights and freedoms of citizens and non-citizens in the United States and California are delineated and discussed. The completion of Social Science 125 and 126 fulfills the California State requirements in American History, Institutions and State and Local Government. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Social Science 125 and 126 are designed for F1 visa students who speak a language other than English as their first language, or naturalized citizens, or immigrants seeking naturalization who have never taken U.S. History taught in English or in a U.S. high school. All others should take the standard courses in U.S. History and Government. No credit allowed for students who have completed History 110, 111, 117, 118, or 151; Economics 111; Political Science 101, 105, 106, or 151; Social Science 131 or 132. Transfer credit: CSU
126  
THE AMERICAN EXPERIENCE—MODERN AMERICA  
3 Units  
Social Science 126 covers issues and events since the Reconstruction to the present which are discussed and evaluated in relation to their social, cultural, political, and economic significance. Important contributions of significant men and women to the historical development of the country are highlighted. Students are introduced to the contemporary American political process and its formal institution functions in a comparative study of federal, state, and local governments. The operation of the federal constitution in a political democracy is emphasized. The roles of political parties and special interest groups are examined. Students learn the structure and function of government in relation to the individual. Major rights and freedoms of citizens and noncitizens in the United States and California are delineated and discussed. The completion of Social Science 125 and 126 fulfills the California State requirements in American History, Institutions, and State and Local Government. Lecture 3 hours.  
Prerequisite: Social Science 125.  
Note: Social Science 125 and 126 are designed for F-1 visa students who speak a language other than English as their first language, or naturalized citizens, or immigrants seeking naturalization who have never taken U.S. Government or U.S. History taught in U.S. or in a U.S. high school. All others should take the standard courses in U.S. History and Government. No credit allowed for students who have completed History 110, 111, 117, 118, or 151; Economics 111; Political Science 101, 105, 106, or 151; Social Science 131 or 132. Transfer credit: CSU

127  
LOS ANGELES COUNTY: HISTORY, POLITICS, AND CULTURE  
3 Units  
Social Science 127 examines one of the most culturally diverse places on Earth—Los Angeles County. The region is viewed in three contexts: its history, its portrayals in literature, and the issues it faces today. The historic underpinnings of the region are explored from the Gabriélino people of the Spanish, Mexican, and United States eras. This course includes the stories of ethnic and racial groups, including some not often associated with the area’s history. The last segment of the course examines contemporary issues, opportunities, and problems facing Los Angeles County. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

129  
MIDDLE PASSAGE AND MODERN WAR  
3 Units  
Social Science 129 examines the Middle Passage and modern war. The course explores the relationship between the two through a survey of the principal facts and concepts of political science and economics. Problems are studied in relationship to the historical development of the United States. The student is led to acquire a body of knowledge through an analysis of historical and contemporary social problems. This course meets the California State requirements in American History. Lecture 4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Social Science 129 allows only two units of credit for students having credit in History 110 or 111. If History 117-118 are completed for credit, then no units are allowed for Social Science 131. Transfer credit: CSU, UC, USC

131  
INTRODUCTION TO SOCIAL SCIENCE  
4 Units  
Social Science 131 examines the interrelationship of the social sciences and their application to the problems of group living in the twentieth century through a survey of the principal facts and concepts of history and sociology. Problems are studied in relationship to the historical development of the United States. The student is led to acquire a body of knowledge through an analysis of historical and contemporary social problems. This course meets the California State requirements in American History. Lecture 4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Social Science 131 allows only two units of credit for students having credit in History 110 or 111. If History 117-118 are completed for credit, then no units are allowed for Social Science 131. Transfer credit: CSU, UC, USC

132  
INTRODUCTION TO SOCIAL SCIENCE  
4 Units  
Social Science 132 examines the interrelationship of the social sciences and their application to the problem of group living in the twentieth century through a survey of the principal facts and concepts of political science and economics. Problems are studied in relationship to the historical development of the United States. The student is led to acquire a body of knowledge through an analysis of contemporary political and economic problems. This course meets the California State requirements in the American Constitution, and State and Local Government. Lecture 4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Social Science 132 allows only two units of credit for students having credit in Political Science 101 or Political Science 105. If only Political Science 106 has been completed for credit, three units are allowed. Transfer credit: CSU, UC, USC

134  
WOMEN, MEN, AND SOCIETY  
3 Units  
Social Science 134 is a survey course which explores the experience of women and men in American society. The course uses an interdisciplinary approach to look at old and new research about women and men. The sexist assumptions of most academic disciplines requires not just that material on women be integrated into these disciplines but that material on both sexes must be studied in new ways. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

136  
WAR: HISTORY, CAUSES, SOLUTIONS  
(Also listed as History 136)  
3 Units  
Social Science 136 explores the history, causes, and potential solutions to the problem of war. The history of individual wars is examined within a broader picture of war in general, including ancient warfare, the Middle Passage, the rise of modern war, and the development of total war. An interdisciplinary approach is taken in exploring the immediate causes of war, including historical, economic, political, anthropological, sociological, and psychological causes. The course explores moral and philosophical aspects for the ultimate causes of war. Finally, solutions are considered including diplomacy, treaties, the United Nations, a one-world government, and the dismantling of nation-states. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: This course may not be taken for credit by students who have completed History 136. Transfer credit: CSU, UC, USC

145  
INTRODUCTION TO COMMUNITY VOLUNTEERISM  
2 Units  
Social Science 145 is designed to give students an academic background in volunteerism as well as to allow them an opportunity to do community volunteer work for credit. It fits in with national legislation (1993) promoted to create greater commitment to society on the part of today’s college students. The course includes 1 lecture hour per week and 3 lab hours of volunteer work per week. Lecture 1 hour, laboratory 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

146  
COMMUNITY VOLUNTEERISM LABORATORY  
1 Unit  
Social Science 146 is designed to give students who have successfully completed the Introduction to Community Volunteerism class a chance to continue volunteer service under supervision. Students complete three lab hours of volunteer work per week as well as meet with the instructor and submit a complete journal. Laboratory 3 hours. Prerequisite: Social Science 145. Note: This course may be taken 3 times; a maximum of 3 units may be earned. Transfer credit: CSU
SOCIOLOGY

101 INTRODUCTION TO SOCIOLOGY
3 Units
Sociology 101 is an introduction to sociology, its methods and resources. The course focuses on the following areas: society and culture, personality organization, social interaction and social processes, human groups and collective behavior, role and status, class and stratification, ethnic and other intergroup relations, ecology and urban sociology, population and social change. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN SOC 2)

102 SOCIAL CRISIS OF TODAY
3 Units
Sociology 102 develops a definition and criteria of social crises. The course examines social problems within the context of culture and economics. Selected social issues such as crime, ethnic tensions, poverty, work, youth, the changing nature and role of the family, homelessness, and related urban issues are addressed within functional and conflict theoretical frameworks. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN SOC 4)

104 SOCIOLOGY OF SEX AND GENDER
3 Units
Sociology 104 is a survey course that explores biological, anthropological, psychological, and sociological perspectives of sex and gender roles in American society and various other societies, such as Sweden, Russia, China, India, and so on. Focusing on power relations, the course uses a sociological and psychological approach to analyze sex and gender roles in major social institutions: Family, education, mass media, religion, work, law, political or economic structures, and medical systems. The analysis is placed in historical and contemporary contexts. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

105 INTRODUCTION TO GERONTOLOGY
(Also listed as Psychology 109)
3 Units
Sociology 105 is an introduction to the study of social gerontology, aging and its implications for the individual and society utilizing a multidisciplinary approach. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Psychology 109. Transfer credit: CSU, UC, USC

131 MARRIAGE AND INTIMATE RELATIONSHIPS
(Also listed as Psychology 131)
3 Units
Sociology 131 studies, with an emphasis on psychological and sociological theories and research, the development of traditional and contemporary patterns of people living together. Topics examined include the historical development of marriage, diverse lifestyles (including single-parenting, the blended family, and gay and lesbian partnerships), partner compatibility, communication techniques, intimacy, conflict, child-rearing, dissolution of partnerships, and speculation about the future of relationships. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Psychology 131. Transfer credit: CSU

SPANISH

101 BEGINNING SPANISH I
5 Units
Spanish 101 teaches the fundamentals of Spanish grammar. Students are trained to pronounce Spanish correctly, to acquire a small working vocabulary which they use in conversation and writing, and to read simple Spanish. The course is taught primarily in Spanish. Students may enroll concurrently in Spanish 110. Lecture 5 hours, laboratory ½ hour. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Students with oral proficiency or who have attended schools where Spanish was the language of instruction should enroll in Spanish 115. Transfer credit: CSU, UC, USC (CAN SPAN 2) (SPAN 101 & 102 CAN SPAN SEQ A)

102 BEGINNING SPANISH II
5 Units
Spanish 102 continues to present the fundamentals of Spanish grammar. It emphasizes correct pronunciation and presents more difficult elementary prose. The discussions in Spanish will stress the correct use of verbs and idioms and efficient methods of vocabulary building. Lecture 5 hours, laboratory ½ hour. Prerequisite: Spanish 101 or equivalent. Note: This course may not be taken for credit by students who have completed Spanish 116. Transfer credit: CSU, UC, USC (CAN SPAN 4) (SPAN 101 & 102 CAN SPAN SEQ A)

103 INTERMEDIATE SPANISH I
5 Units
Spanish 103 includes further study of Spanish grammar and idioms, intensive and extensive reading in contemporary Spanish, and written compositions in Spanish. This class is conducted entirely in Spanish. Lecture 5 hours. Prerequisite: Spanish 102 or 116 or three years of Spanish in high school completed within the past two years. Note: In addition to the regular class hours, the student must spend one hour a week in the laboratory. Transfer credit: CSU, UC, USC (CAN SPAN 8) (SPAN 103 & 104 CAN SPAN SEQ B)

104 INTERMEDIATE SPANISH II
4 Units
Spanish 104 is a continuation of Spanish 103 with reading of more difficult literary texts, and increased emphasis on composition and conversation. This class is conducted entirely in Spanish. Lecture 4 hours. Prerequisite: Spanish 103 or four years of Spanish in high school completed within the past two years. Note: In addition to the regular class hours, the student must spend two half-hour periods a week in the laboratory. Transfer credit: CSU, UC, USC (CAN SPAN 10) (SPAN 103 & 104 CAN SPAN SEQ B)

105 CONVERSATIONAL SPANISH
3 Units
Spanish 105 is a course of intensive practice in the expression and comprehension of spoken Spanish. Lecture 3 hours. Prerequisite: One year of college Spanish or three years of high school Spanish or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC
106 ADVANCED CONVERSATIONAL SPANISH
3 Units
Spanish 106 is a course of intensive practice in the expression and comprehension of spoken Spanish. Lecture 3 hours. **Prerequisite:** One year of college Spanish or three years of high school Spanish or equivalent. **Note:** This course may be taken 2 times; a maximum of 6 units may be earned. **Transfer credit:** CSU, UC, USC

110 BASIC CONVERSATIONAL SPANISH I
3 Units
Spanish 110 is an introduction to Spanish with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. The course develops a working knowledge of reading and writing as well. Lecture 3 hours. **Prerequisite:** None. **Note:** Not open to students who have oral proficiency or who have attended schools where Spanish was the language of instruction. This course may not be taken for credit by students who have completed Spanish 115 and/or 116. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL SPANISH II
3 Units
Spanish 111 is an introduction to Spanish with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. The course develops a working knowledge of reading and writing as well. It includes use of tapes or cassettes in the language laboratory. Lecture 3 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** Students with oral proficiency or who have attended schools where Spanish was the language of instruction should enroll in Spanish 115.

115 SPANISH FOR THE SPANISH SPEAKING I
5 Units
Spanish 115 provides intensive training in oral and written Spanish for students who have a familiarity with the language but little or no formal instruction in it. Structure of the language, oral communication, fundamentals of grammar, and composition are included. Lecture 5 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** Students with oral proficiency or who have attended schools where Spanish was the language of instruction should enroll in Spanish 115. **Transfer credit:** CSU, UC, USC

116 SPANISH FOR THE SPANISH SPEAKING II
5 Units
Spanish 116 is a continuation of Spanish 115. Emphasis is on reading comprehension, composition, oral communication, and a more advanced study of the structure of the language. Lecture 5 hours. **Prerequisite:** Spanish 115. **Note:** This course may not be taken for credit by students who have completed Spanish 102. **Transfer credit:** CSU, UC, USC

117 BASIC CONVERSATIONAL SPANISH FOR MEDICAL PERSONNEL
1 Unit
NON-DEGREE APPLICABLE
Spanish 117 is an introduction to Spanish, with emphasis on developing essential skills in communication, for medical personnel. The verbal active method is used and oral expression is stressed. The course also develops working knowledge of reading and writing Spanish. Lecture 3 hours. **Prerequisite:** Spanish 111 or equivalent. **Note:** This course may be taken 2 times; a maximum of 2 units may be earned.

118 CONVERSATIONAL SPANISH FOR LAW ENFORCEMENT AND FIRE FIGHTING PERSONNEL
1 Unit
NON-DEGREE APPLICABLE
Spanish 118 is an introduction to Spanish, with emphasis on developing essential skills in communication, for law enforcement and fire fighting personnel. The verbal active method is used and oral expression is stressed. The course also develops a working knowledge of reading and writing Spanish. Lecture 3 hours. **Prerequisite:** Spanish 111 or equivalent. **Note:** This course may be taken 2 times; a maximum of 2 units may be earned.

124 ENGLISH TRANSLATIONS OF MASTERPIECES OF HISPANIC LITERATURE
3 Units
Spanish 124 is a study of major works of literature of Spain and Spanish America in English translation. No knowledge of Spanish is necessary. Lecture 3 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** This course may not be taken for credit by students who have completed Spanish 125 or 126. **Transfer credit:** CSU, UC, USC

125 SURVEY OF SPANISH LITERATURE
3 Units
Spanish 125 is a lower division survey of the literature of peninsular Spain, from the late Middle Ages to the twentieth century. Reading and class lectures are entirely in Spanish and are supplemented by tapes, records and films. Lecture 3 hours. **Prerequisite:** Spanish 104 or equivalent. **Note:** Students may receive only one unit of credit for Spanish 125 if they have received credit for Spanish 124. **Transfer credit:** CSU, UC, USC

126 SURVEY OF SPANISH AMERICAN LITERATURE
3 Units
Spanish 126 is a lower division survey of the literature of Spanish America, from the prehispanic literature of the Incas, as recorded by el Inca Garcilaso de la Vega, and the histories of the Mayas in the Popol Vuh, to the literature of the twentieth century. Reading and lectures will be entirely in Spanish. Tapes and records will be used to supplement text and lectures. Lecture 3 hours. **Prerequisite:** Spanish 104 or equivalent. **Note:** Students may receive only one unit of credit for Spanish 126 if they have received credit for Spanish 124. **Transfer credit:** CSU, UC, USC

127 MEXICAN LITERATURE
3 Units
Spanish 127 is a study of the literature of Mexico from Nahuatl poetry to current authors. Reading and class lectures are entirely in Spanish and are supplemented by tapes, records and films. Lecture 3 hours. **Prerequisite:** Spanish 104 or equivalent. **Transfer credit:** CSU, UC, USC

128 CUBAN LITERATURE
3 Units
Spanish 128 is a study of the literature of Cuba from the period of exploration to the present. Readings and class lectures are entirely in Spanish. Lecture 3 hours. **Prerequisite:** Spanish 104 or equivalent. **Transfer credit:** CSU, UC, USC
138 SPANISH FOR SCHOOL PERSONNEL
2 Units
NON-DEGREE APPLICABLE
Spanish 138 provides the student with the minimum fundamentals of Spanish grammar and correct pronunciation so that teachers and other school personnel can communicate with parents and pupils whose language is Spanish. Dialogues are emphasized. Lecture 2 hours. Prerequisite: None.

SPECIAL PROJECTS
150 SPECIAL PROJECTS
1-3 Units
Glendale Community College makes available in the curriculum of some divisions, units of study designated as special projects. The purpose of the Special Projects Program is to provide all students with an opportunity to explore subjects in the non-transfer courses of community college grade in greater depth than usual; to familiarize students with basic study technique; to interest students in possible career areas; and to take advantage of special interests relating to the instructional program. Emphasis is placed on a study relating to the individual needs of a student to enhance and reinforce the college learning experience. The courses do not follow a prescribed outline, but a project and/or contract is developed with the assistance of the sponsoring instructor and appropriate division. The instructor will supervise the program requiring community college level of work to be completed in not less than eighteen (18) hours of each unit of credit earned. Registration will be open to those students enrolled in six (6) or more units and is approved for the program by an instructor. No more than twelve units of special projects and independent study will be credited toward A.A., A.S. degree or certificate with a limit of six (6) units per division. A student may not register in more than one special project per semester and may not be enrolled concurrently in independent study. The instructor shall make arrangements for students’ special projects registration with the Admission and Records Office. Attendance accounting procedures shall be cleared with the Admissions and Records Office by the instructor. Prerequisite: None.

103 GROUP DISCUSSION
3 Units
Speech 103 involves techniques and theories of discussion with emphasis on group productivity and oral communication in groups. Use of logical, clear reasoning in research, analysis of problems, effectiveness of participation, and leadership in the discussion mode are also examined. Class activities include role playing, problem solving, panel discussions, and symposium forum discussions. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU, UC, USC

104 ARGUMENTATION AND DEBATE
3 Units
Speech 104 is designed to provide students with an understanding of the factors affecting basic argumentation and debate on a day-to-day basis and to provide laboratory experiences aimed at developing skills in such areas as language, listening, awareness, conflict resolution, nonverbal behaviors, group problem solving, and cross cultural communication. The instructional approach is deductive-inductive, involving lecture/discussions, activities demonstrating concepts covered, and further lecture/discussion for purposes of additional clarification. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU, UC, USC (CAN SPCH 6)

105 VOICE AND DICTION
3 Units
Speech 105 is designed to improve vocal quality and force, pitch flexibility, rate, articulation, and pronunciation. The student develops an understanding of the speech mechanism. Emphasis is placed on improvement through increased self-perception and practice exercises. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU, UC, USC

100 INTERPERSONAL COMMUNICATION
3 Units
Speech 100 is designed to provide students with an understanding of factors affecting human communication on a day-to-day basis and to provide laboratory experiences aimed at developing skills in such areas as language, listening, awareness, conflict resolution, nonverbal behaviors, group problem solving, and cross cultural communication. The instructional approach is deductive-inductive, involving lecture/discussions, activities demonstrating concepts covered, and further lecture/discussion for purposes of additional clarification. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU, UC, USC

PUBLIC SPEAKING
3 Units
Speech 101 places emphasis upon organization and delivery of extemporaneous speeches. Experience is provided in, but not limited to, informative and persuasive speaking. This course satisfies speech requirements of those expecting to transfer to colleges and universities. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN SPCH 4)

PUBLIC SPEAKING
3 Units
Speech 102 places emphasis on the development of further effectiveness in the organization and delivery of speeches, and on the preparation of students for effective participation in group discussion and debate. Lecture 3 hours. Prerequisite: Speech 101. Transfer credit: CSU, UC, USC

SPECIAL TOPICS
150 SPECIAL TOPICS
1-3 Units
Special Topics 150 provides faculty the opportunity to offer a topic of interest to the community in a quick-start format. Please see the current Schedule of Classes for current offerings. Lecture 1-3 hours, laboratory/studio 2-3 hours. Prerequisite: None. Note: This class may be taken 4 times with different course content; a maximum of 12 units may be earned.

SPECIAL TOPICS
150 SPECIAL TOPICS
1-3 Units
Special Topics 150 provides faculty the opportunity to offer a topic of interest to the community in a quick-start format. Please see the current Schedule of Classes for current offerings. Lecture 1-3 hours, laboratory/studio 2-3 hours. Prerequisite: None. Note: This class may be taken 4 times with different course content; a maximum of 12 units may be earned.
106 ORAL INTERPRETATION OF LITERATURE
3 Units
Speech 106 is designed to teach the skills and techniques of oral interpretation of literary works. Students learn to use their voices and articulation techniques to communicate emotional energy through the words of the text. Class exercises and instructor feedback are used to teach these concepts and to focus on the students' individual strengths and weaknesses. Selected students are chosen to participate in a reader's theatre production. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: An audition may be required. Transfer credit: CSU, UC, USC

107 BUSINESS AND PROFESSIONAL SPEECH
3 Units
Speech 107 provides techniques for effective oral communication in the business environment. Emphasis is placed on audience analysis, organization, and speaking deportment. Class activities include interviewing, informative and persuasive presentations, and presentations in small group settings. Students have the opportunity to work extensively on videotape. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU

111 INTRODUCTION TO PUBLIC SPEAKING
3 Units
Speech 111 places emphasis on organization and delivery of extemporaneous speeches. Experience is provided in, but not limited to, informative and persuasive speaking. Issues of concern to non-native speakers will be addressed, including cultural variables involved in the public speaking situation, compensatory strategies to improve individual grammar, syntax and phonological errors, and speech anxiety. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151 and ESL 155.

STATISTICS
See Mathematics 136

STUDENT DEVELOPMENT
A maximum of 6 units of degree applicable Guidance and/or Student Development courses may be counted toward an Associate degree and/or certificate.

100 COLLEGE ORIENTATION
½-2 Units
Student Development 100 is an introductory college orientation course for newly enrolled and matriculated students. The course covers the following topics: college academic regulations, four-year schools' requirements for transfer, AA degree requirements, Certificate programs' requirements, college services and specialized student support services. At the conclusion of the course, the student is able to produce a Student Educational Plan. Lecture ½-2 hours. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

101 FRESHMAN SEMINAR
1 Unit
Student Development 101 is dedicated to ensuring students' college success and motivating their journey toward lifelong learning. The seminar will enable students to develop their own plan for personal, academic, and career success through self-evaluation, application of specific techniques, and classroom activities. These activities will help students acquire effective study strategies, increase critical and creative thinking skills, establish short-term and long-term goals, and learn to manage time more efficiently. Students will learn about the many campus resources available to them. This is a course about making choices, especially those about setting and meeting personal, academic and career goals. Lecture 1 hour. Prerequisite: None. Transfer credit: CSU

102 ASSESSMENT ORIENTATION—DISABLED STUDENTS
1 Unit
Student Development 102 is a course designed to assess eligibility for special classes and services for students with learning disabilities, communication disabilities, and acquired brain injuries. The course provides an orientation to services designed to accommodate for the disability thereby providing equal access to the educational process. Emphasis is placed on completion of an individual in-depth assessment to identify strengths and limitations. At the conclusion of the course the student and the instructor design a Student Educational Plan (SEP). Lecture 1 hour. Prerequisite: None.

103 COLLEGE ORIENTATION FOR INTERNATIONAL STUDENTS
1 Unit
Student Development 103 is an introduction to customs unique to the American culture, prevalent American attitudes, United States immigration regulations affecting international students, and general principles for living and studying in the United States of America. Additionally, the course covers college academic regulations, requirements for transfer to four-year colleges and universities, college services, and specialized student support services. At the conclusion of the course, the student is able to produce a Student Educational Plan. Lecture 1-3 hours. Prerequisite: None. Note: Student Development 103 is designed specifically for newly-enrolled international (F-1 visa) students. Placement is based upon TOEFL results and/or previous college experience.

104 COLLEGE ORIENTATION FOR STUDENTS WITH DISABILITIES
1 Unit
Student Development 104 is an introduction to issues unique to students with disabilities. Additionally, the course covers college academic regulations, requirements for transfer to four-year colleges and universities, college services, and disabled student support services. At the conclusion of the course, the student is able to produce a Student Educational Plan. Lecture 1 hour. Prerequisite: None.
115 ORIENTATION TO FINANCIAL AID  
½ Unit  
NON-DEGREE APPLICABLE  
Student Development 115 is an introduction to financial aid programs, policies, and issues with special emphasis on Glendale Community College’s program procedures. It is designed to help students plan their academic career taking into account financial aid entitlements and responsibilities. Lecture ½ hour. Prerequisite: None.

120 TRANSFER ORIENTATION  
1 Unit  
NON-DEGREE APPLICABLE  
Student Development 120 is an orientation course for students who plan to transfer to one of California’s 90 four-year colleges or universities. Topics include: the value of pursuing higher education, admissions, and academic requirements, university comparison, financial aid options, special programs, priority filing periods, and developing an autobiographical essay. Lecture 1 hour. Prerequisite: None.

125 CAREER PLANNING  
1 Unit  
Student Development 125 is a course that helps students choose a career goal by assessing and analyzing personal values, aptitudes, skills, interests, and traits and relating them to career areas. Decision-making strategies are taught and a tentative career plan is developed. Lecture 1 hour. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

126 JOB SEARCH STRATEGIES  
1 Unit  
Student Development 126 is a course designed to teach methods in job search skills. Students learn how to prepare a job resume and cover letter, how to prepare for a job interview, and how to locate sources of job leads. Lecture 1 hour. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

127 MAJOR EXPLORATION  
½ Unit  
Student Development 127 is a course designed to help students identify majors they might be interested in pursuing. Emphasis is placed on introducing students to the required education and training needed for a particular major. Students analyze factors such as interests, values, and skills that influence their choice of a major. Lecture ½ hour. Prerequisite: None.

128 VOCATIONAL PLANNING FOR STUDENTS WITH DISABILITIES  
1-2 Units  
Student Development 128 is a course designed to help students with disabilities choose a career goal by assessing and analyzing values, aptitudes, skills, and interests and relating them to a career area and to their specific disabilities. Decision-making strategies are taught, and a tentative vocational plan is developed. Lecture 1-2 hours. Prerequisite: None. Note: Allows only 1 unit of credit for students who have completed Student Development 126.

141 LEARNING SKILLS  
1 Unit  
Student Development 141 is designed to present straightforward practical study techniques. A special emphasis is placed on techniques to increase concentration while reading and listening, developing skill in note-taking, preparing for and taking of examinations, writing a research paper, time management, the study environment, controlling stress and gaining motivation for success. Lecture 1 hour. Prerequisite: None. Note: Students may wish to complete Student Development 142 in conjunction with this course. This course may be taken 2 times; a maximum of 2 units may be earned.

142 STUDY SKILLS  
1 Unit  
Student Development 142 places special emphasis on the time schedule, the discovery of the nature and extent of reading difficulties, outlining the lecture and reading assignments, efficient use of the facilities for study, developing skill in note-taking, and preparing for examinations. Laboratory 3 hours. Prerequisite: None.

143 STUDY SKILLS LAB  
½-2 Units  
NON-DEGREE APPLICABLE  
Student Development 143 is a laboratory course designed to meet the individualized needs of students with disabilities. Specialized tutoring is offered to assist students in developing compensatory strategies necessary for success in mainstream classes and daily living. Laboratory 1½-6 hours. Prerequisite: None.

144 IMPROVING COLLEGE PERFORMANCE  
½-3 Units  
NON-DEGREE APPLICABLE  
Student Development 144 is a comprehensive introduction to study skills methods, academic support services, and students’ academic assessment. The course is designed for students on academic probation. Lecture ½-3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Student Development 145.

145 ACADEMIC AND LIFE SUCCESS  
3 Units  
Student Development 145 is a survey course designed to increase academic and life success throughout the life span. Students develop their own academic and life success plans through both cognitive and affective techniques and knowledge. Students learn and apply learning theories and problem-solving skills in areas such as: self-motivation and discipline, memory development, time management, study skills and techniques, personal management skills, theories of personality, values and interests, self-esteem, and life transitions and changes. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC.

146 EFFECTIVE STUDY TECHNIQUES  
1 Unit  
NON-DEGREE APPLICABLE  
Student Development 146 is a lecture course designed to familiarize students with disabilities with memory techniques, test preparation strategies, time management, and note-taking skills. This course helps students develop critical thinking skills as well as compensatory strategies. Lecture 3 hours. Prerequisite: None.

150 TUTOR TRAINING  
1 Unit  
NON-DEGREE APPLICABLE  
Student Development 150 is an introduction to tutoring skills for students wishing to act as tutors at the college. The course emphasizes the linking of course content and critical thinking skills with the ability and skills necessary to assist students in their learning process. Lecture 1-2 hours. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.
155 
SUPPLEMENTAL INSTRUCTION 
TRAINING 
1 Unit 
NON-DEGREE APPLICABLE 
Student Development 155 is designed for student leaders who are participating in Supplemental Instruction as Supplemental Instruction Leaders or Workshop Facilitators. The course content enables student leaders to help their fellow students learn critical thinking skills and collaborative learning strategies. Lecture 1 hour. Prerequisite: None.

165 
STRESS MANAGEMENT 
1 Unit 
NON-DEGREE APPLICABLE 
Student Development 165 is a course designed to assist the student to become aware of stress management and stress reduction. Students learn the basic techniques of relaxation, breathing processes, self awareness and assertiveness training. Students develop a stress reduction program to enhance their lives and learn to recognize the stressors encountered in school, work place and home environment. Lecture 1 hour. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

171 
STUDENT LEADERSHIP 
1 Unit 
Student Development 171 presents the fundamentals of student leadership. Students study leadership theory, parliamentary law, committee techniques, democratic organization, principles and functions of student government, and group leadership problems. Lecture 1 hour, discussion 1 hour. Prerequisite: None. Note: Open to all students interested in developing leadership skills. Officers of all student organizations are urged to enroll. This course may not be taken for credit by students who have completed Social Science 141.

TECHNICAL EDUCATION

140 
FUNDAMENTALS OF ENGINEERING DOCUMENTATION 
3 Units 
Technical Education 140 is a fundamental course in reporting technical information for those participating in engineering or manufacturing programs. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Technical Education 140 is required in Architectural Drafting and Design and Drafting/Electro-Mechanical Design certificate programs.

142 
TECHNICAL MATHEMATICS I 
3 Units 
NON-DEGREE APPLICABLE 
Technical Education 142 is a review of basic mathematics as required in the mechanical trade programs. Subject areas covered include units of measurement (inch and S.I. metric), decimals, percentages and fractions. Problems are drawn from the industrial field. Lecture 3 hours. Prerequisite: None.

143 
TECHNICAL MATHEMATICS II 
3 Units 
Technical Education 143 is an advanced study of algebra, trigonometry, and quadratic equations as required in the mechanical trade programs. Problems are drawn from the industrial field. Lecture 3 hours. Prerequisite: Technical Education 142 or equivalent.

145 
APPLIED PHYSICS 
3 Units 
Technical Education 145 studies the application of physics to industry. The course covers fundamental concepts, pressure and buoyancy in fluids, simple and compound machines, hydraulic and pneumatic machines, work, energy, and power, composition and resolution of forces, heat—its measurement, transfer, and conversion to work, light and color, magnetism, atomic energy, and electronics. Lecture 3 hours. Prerequisite: Technical Education 142 or Electronics and Computer Technology 100 or Mathematics 141 or equivalent. Transfer credit: CSU

147 
SURVEY OF ROBOTICS 
1 Unit 
Technical Education 147 is a survey course designed to familiarize students enrolled in technical education industrial courses with the fundamentals of robotics and robot industrial systems. It is a basic study of the high-technology field of robotics, in order to develop an awareness of the field as it applies to individual areas of technical expertise. Areas covered include artificial intelligence, robot classifications and axis geometry, elements of robot systems, power and positioning, Servo Systems, teach-pendents, controllers, and sensors. Hands-on experience in the use and positioning of actual robot trainers is emphasized. Lecture 2 hours, laboratory 1 hour. (8 weeks) Prerequisite: None.

TELEVISION

See Media Arts

THEATRE ARTS

101 
INTRODUCTION TO THEATRE, TELEVISION AND MOTION PICTURES 
3 Units 
Theatre Arts 101 is designed to give students a broad introduction to the performing arts and technical skills of television, film, and theatre. The course uses field trips, play analysis, lectures, and audiovisual presentations to give students a first or renewed appreciation of these three dramatic media. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

102 
THEATRE HISTORY 
3 Units 
Theatre Arts 102 is a survey of the history of the theatre through its major influences concentrating on Greek, Roman, Renaissance, Elizabethan, Restoration and Modern eras. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC
103  FUNDAMENTALS OF ACTING  
(Vocal Interpretation)  
3 Units  
Theatre Arts 103 is a course planned to introduce the student to the theory and basic mechanics of vocal control and interpretation necessary for the successful study of acting. Lecture 3 hours, laboratory 2 hours.  
Prerequisite: None.  
Corequisite: Concurrent enrollment in Dance 140 is required.  
Note: This course may be taken 2 times; a maximum of 6 units may be earned.  
Transfer credit: CSU, UC, USC

104  FUNDAMENTALS OF ACTING  
(Body Control)  
3 Units  
Theatre Arts 104 deals with the development of bodily control and interpretation and the integration of a controlled voice and body. Lecture 3 hours, laboratory 2 hours.  
Prerequisite: Theatre Arts 103, Speech 105, Dance 141. (Dance 141 may be taken concurrently.)  
Note: This course may be taken 2 times. A maximum of 6 units may be earned.  
Transfer credit: CSU, UC, USC

105  THEATRE ARTS WORKSHOPS  
1-3 Units  
Theatre Arts 105 is a production class. The students enrolled in this course will be formed into a company to present the Glendale Community College drama productions. Each student will be assigned projects in accordance with his or her interests and talents. The projects will involve some phase of theatrical production: acting, directing, playwriting, business administration, or publicity. The rehearsal laboratory consists of 10-15 hours per week.  
Prerequisite: None.  
Note: This course may be taken 4 times; a maximum of 12 units may be earned. A proportionate amount of work will be assigned according to the number of units elected.  
Transfer credit: CSU, UC, USC

106  INTRODUCTION TO THEATRICAL DIRECTION  
3 Units  
Theatre Arts 106 is designed to introduce theatre students to the theory, techniques, and skills of theatrical directing as well as to offer them practice in directing short scenes from plays. Lecture 3 hours, laboratory 2 hours.  
Prerequisite: Theatre Arts 101, 103, and 104.  
Note: This course may be taken 3 times; a maximum of 9 units may be earned.  
Transfer credit: CSU, UC, USC

107  DRAMA HERITAGE  
3 Units  
Theatre Arts 107 is a survey of dramatic literature from the classical to the modern period from the production point of view. Periods of study include Greek, Medieval, Renaissance, Restoration, and Modern Realism. The course combines the reading of plays with field trips to local theatres and in-class audio-visual presentations to give the student the means to analyze and appreciate the plays both as literature and performance. Lecture 3 hours.  
Prerequisite: None.  
Transfer credit: CSU, UC, USC

108  INTRODUCTION TO ACTING  
3 Units  
Theatre Arts 108 is designed for the non-acting major. Students are introduced to the skills of the contemporary stage performer. Emphasis is placed on developing a stage presence, overcoming stage fright, and becoming a more astute observer of stage performance. Lecture 3 hours, laboratory 2 hours.  
Prerequisite: None.  
Note: During the semester, students are expected to attend one performance of each Glendale College Theatre Arts Department production as part of the learning process about acting.  
Prerequisite: None.  
Transfer credit: CSU, UC, USC

109  STAGE MAKE-UP  
1 Unit  
Theatre Arts 109 provides instruction in the use and application of all types of stage make-up. Students from this course compose the make-up crew for all college productions. Theatre Arts majors should have at least one semester of make-up. Laboratory 3 hours.  
Prerequisite: None.  
Transfer credit: CSU, UC, USC

110  STAGE MAKE-UP  
1 Unit  
Theatre Arts 110 is a continuation of Theatre Arts 109 with emphasis on unusual character make-up. Laboratory 3 hours.  
Prerequisite: Theatre Arts 109.  
Transfer credit: CSU, UC, USC

121  STAGE SCENIC DESIGN  
2 Units  
Theatre Arts 121 is a practical course in instruction in the fundamentals of designing stage scenery. All the sets used in Glendale Community College productions are designed by this class. Some ability in art, costuming, or theatre techniques is helpful. Lecture, 1 hour, laboratory 3 hours.  
Prerequisite: Theatre Arts 131 (3 units) or equivalent.  
Transfer credit: CSU, UC, USC
130 PERFORMING ARTS TECHNICAL SUPPORT
1-3 Units
Theatre Arts 130 teaches the technical support aspects for the performing arts, including: dance, music, and theatre arts. Through lecture and laboratory experiences the students are prepared to stage manage, run sound, run lights, manage props, execute scenery changes using the fly system, and manage costumes for productions. Lecture 1 hour, laboratory/studio 3-9 hours. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU, UC, USC

131 TECHNICAL STAGE
1-3 Units
Theatre Arts 131 is a laboratory class in the construction, painting, and handling of scenery and scenic effects and in the operation of the stage. All technicians for staging the various Glendale Community College productions will be drawn from this class. It is required that class members have free time to devote to rehearsals and performances. Theatre Arts majors should have at least one semester of technical stage. See also Theatre Arts 105. The laboratory consists of 10-15 hours per week by arrangement. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 9 units may be earned. A proportionate amount of work is required according to the number of units elected by the student and signed for at the time of registration. Transfer credit: CSU, UC, USC

133 ART OF LIGHTING DESIGN
2 Units
Theatre Arts 133 is designed for students who have a basic knowledge of visual or performing arts. Students learn how to use artificial light sources to create an appropriate environment for a variety of entertainment media, including animation, and theatre and dance productions. Applying basic techniques of lighting composition, students use highlights, shadows, textures, and colors to achieve the desired effects. Lighting designs are created using virtual lighting simulations on a computer. These programs are used in the analysis and performance of design exercises. Lecture 2 hours, laboratory 1 hour. Recommended preparation: Computer Science/Information Systems 206 or equivalent. Note: Theatre Arts 133 is designed for students who have completed at least one course in visual arts, dance, media arts, music, or theatre arts. Transfer credit: CSU, UC, USC

134 PRACTICAL AND THEORETICAL ASPECTS OF STAGE LIGHTING
2 Units
Theatre Arts 134 is for the advanced student in technical theatre. It is a course designed to develop the skills and techniques which are necessary for the student’s participation and appreciation of the art of stage lighting. It is hoped that the student will develop, as a result of familiarity with stage lighting practice, a sense of balance and rhythm with regard to color, light and shadow, and mass. Laboratory 6 hours. Prerequisite: Theatre Arts 133 or equivalent. Note: This course may be taken 3 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

140 INTRODUCTION TO PERFORMANCE FOR THE CAMERA
3 Units
Theatre Arts 140 is a comprehensive introduction to performing in the media of television and film. The course explores the styles and the mastery of technical specifics demanded by each medium. The approach is to teach on-camera techniques simply and correctly, while providing a broad understanding of why and how things are done in media production. Practical aspects of facilitating a performance career are covered: getting an agent, joining the unions, and acquiring the necessary tools of the trade, such as pictures and resumes. Lecture 3 hours, laboratory 2 hours. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

151 THEATRE MANAGEMENT
3 Units
Theatre Arts 151 is designed to provide an introduction to economic and managerial aspects of American theatre, especially as they apply to professional resident theatre and nonprofessional community and educational theatre organizations. It is assumed that students have a background in theatre history and production but that they are comparatively untutored in economics and business administration. Lecture 3 hours. Recommended corequisite: Concurrent enrollment in Theatre Arts 131. Note: This course may not be taken for credit by students who have completed Business Administration 151. Transfer credit: CSU

117 INTRODUCTION TO WELDING
1-3 Units
Welding 117 consists of oxyacetylene welding, flame cutting, (manual and automatic), bronze and silver brazing and soldering. These processes are discussed and demonstrated. The student is given experience in applying the principles by individual practice on a sequence of selected plates and manipulative exercises on various metals. Lecture 1-2 hours, laboratory 3-4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU

118 GENERAL WELDING
2-3 Units
Welding 118 consists of theory and techniques in basic Shielded Metal Arc Welding and Flux Cored Arc Welding. The student is given experience in applying the principles by individual practice on a sequence of selected plates and manipulative exercises on mild steel. Lecture 1-2 hours, laboratory 3-4 hours. Prerequisite: Welding 117. Note: This course may be taken 4 times; a maximum of 12 units may be earned.

121 OCCUPATIONAL WELDING
5 Units
Welding 121 is the first in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers the theory of welding processes, welding safety, terms, basic metallurgy, and the fundamentals of metalcarm and oxyacetylene welding. Lecture 3 hours, laboratory 6 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 3 times; a maximum of 15 units may be earned.
122 OCCUPATIONAL WELDING
5 Units
Welding 122 is second in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers fundamentals of blueprint reading, interpreting shop drawings and sketches, advanced metallic arc and oxyacetylene welding and provides, an introduction to tungsten inert gas and metal inert gas arc welding. Lecture 3 hours, laboratory 6 hours. **Prerequisite:** Welding 121 or equivalent. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** This course may be taken 3 times; a maximum of 15 units may be earned.

123 OCCUPATIONAL WELDING
5 Units
Welding 123 is third in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers basic preparation for welding certification, advanced metallic arc, tungsten inert gas, metal inert gas, and oxyacetylene welding, including specific welding exercises needed to prepare the student for the manipulative phase of the certification examination. Lecture 3 hours, laboratory 6 hours. **Prerequisite:** Welding 122 or equivalent. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** This course may be taken 3 times; a maximum of 15 units may be earned.

124 OCCUPATIONAL WELDING
5 Units
Welding 124 is fourth in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers the preparation for a welding certification in metallic arc, tungsten inert gas, and metal inert gas arc welding. Lecture 3 hours, laboratory 9 hours. **Prerequisite:** Eligibility for English 120 or ESL 151 and Welding 123 or equivalent. **Note:** This course may be taken 3 times; a maximum of 15 units may be earned.

125 ADVANCED WELDING PROCEDURES
1-4 Units
Welding 125 is advanced welding procedures for experienced students or industrial workers who wish to improve and update their manipulative skills or prepare for a specific certification in metallic arc, tungsten inert gas, or metal inert gas welding. Laboratory 3-12 hours by arrangement. **Prerequisite:** Welding 117 or 121 or equivalent. **Note:** Hours to vary according to student needs; 48 hours laboratory equals 1 unit. This course may be taken 4 times; a maximum of 16 units may be earned.

126 OCCUPATIONAL WELDING CERTIFICATION WORKSHOP
1-3 Units
Welding 126 is designed for the student or industrial worker with a welding background to gain practical experience in specific skill areas of concentration, resulting in state welding certification. Laboratory 3-9 hours. **Prerequisite:** Welding 117 or 118 or 125 or related occupational experience. **Note:** This course may be taken 3 times; a maximum of 9 units may be earned.
The Music Department presents choral concerts each fall and spring.