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**KINESIOLOGY**

**KIN 8** Introduction to Sports Psychology

Transferable: CSU

A course designed to provide the student with some of the theoretical and practical knowledge of applying psychological techniques within sport situations and to better understand the relevance of mental factors necessary to maximize athletic performance. Some of the areas that will be addressed are motivation, goal setting, the use of mental imagery, time management, and deal with stress. The relationship between life in sport and life outside of sport and how each affect performance will also be covered. This class has the option of a letter grade or pass/no pass. Previously listed as PE 8.

**KIN 15** Sports and Society

Transferable: CSU, UC; GAV-GE:F

This course examines the role of sports in society. It will look at how sports influences and shapes the world by investigating the historical, social, economic and political impact of sports on society.

**KIN 16A** Swimming - Beginning

Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

Co-educational activity designed for the beginning swimmer. Instruction on floating, rhythmic breathing, freestyle, elementary backstroke, and backstroke is included. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 16.

**KIN 16B** Swimming - Intermediate

Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

Co-educational activity designed for the intermediate swimmer. Instruction on the sidestroke and breaststroke is included as well as continued improvement on the freestyle, elementary backstroke and backstroke. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 16.

**KIN 16C** Swimming - Advanced

Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1

Co-educational activity designed for the advanced swimmer. Continued improvement on all strokes. Variations of the sidestroke and the butterfly will be covered. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 16.
KIN 24B  Individualized Weight Training - Level 2  
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
An open laboratory for those who desire an individualized strength training program using the stations from the resistance machines and hand weights as well as body weight exercises using stability equipment. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 24.

40752 Lab GYFITCNTR K Kramer .5  In the first week of the semester during open lab hours, students should go to the Fitness Center located in the Gym area and check-in with the Fitness Center instructor. Fitness Center Lab Hours: M-T-W-Th-F: 8 am-2:00 pm, and M-T-W-Th: 4:30-6:30 pm.

KIN 24C  Individualized Weight Training - Level 3  
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
An open laboratory for those who desire an individualized strength training program using strength and strength endurance training including plyometrics. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 24.

40753 Lab GYFITCNTR K Kramer 1.0  In the first week of the semester during open lab hours, students should go to the Fitness Center located in the Gym area and check-in with the Fitness Center instructor. Fitness Center Lab Hours: M-T-W-Th-F: 8 am-2:00 pm, and M-T-W-Th: 4:30-6:30 pm.

40757 Lab GYFITCNTR K Kramer  .5  In the first week of the semester during open lab hours, students should go to the Fitness Center located in the Gym area and check-in with the Fitness Center instructor. Fitness Center Lab Hours: M-T-W-Th-F: 8 am-2:00 pm, and M-T-W-Th: 4:30-6:30 pm.

KIN 24D  Individualized Weight Training - Level 4  
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
An open laboratory for those who desire an individualized strength training program using Olympic lifts and the kettle ball to develop maximum strength, hypertrophy, and power. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 24.

40754 Lab GYFITCNTR K Kramer 1.0  In the first week of the semester during open lab hours, students should go to the Fitness Center located in the Gym area and check-in with the Fitness Center instructor. Fitness Center Lab Hours: M-T-W-Th-F: 8 am-2:00 pm, and M-T-W-Th: 4:30-6:30 pm.

40758 Lab GYFITCNTR K Kramer .5  In the first week of the semester during open lab hours, students should go to the Fitness Center located in the Gym area and check-in with the Fitness Center instructor. Fitness Center Lab Hours: M-T-W-Th-F: 8 am-2:00 pm, and M-T-W-Th: 4:30-6:30 pm.

KIN 44A  Aerobics - Level 1  
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
This course utilizes a variety of activities to improve one’s aerobic fitness. Emphasis will be on student’s exercising at a moderate exertion level. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 44.

40526 Lab GYGYM N Dequin 1.0  MW 1120-1240

KIN 44B  Aerobics - Level 2  
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
This course utilizes a variety of activities to improve one’s aerobic fitness. Emphasis will be on student’s exercising at an intermediate exertion level. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 44.

40527 Lab GYGYM N Dequin 1.0  MW 1120-1240
KIN 62C  Individualized Cardiovascular Fitness - Level 1  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
An open laboratory for those who desire an individualized cardiovascular fitness training program of moderate exertion using the FITTE principles. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 64.

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KIN 64A  Individualized Cardiovascular Fitness - Level 1  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
An open laboratory for those who desire an individualized cardiovascular fitness training program of moderate exertion using the FITTE principles. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 64.

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KIN 64B  Individualized Cardiovascular Fitness - Level 2  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
An open laboratory for those who desire an intermediate level fitness program utilizing an individualized cardiovascular training approach. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 64.

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KIN 64C  Individualized Cardiovascular Fitness - Level 3  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
An open laboratory for those who desire an individualized cardiovascular fitness training program of high intensity activities using the FITTE principles. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 64.

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KIN 64D  Individualized Cardiovascular Fitness - Level 4  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
An open laboratory for those who desire an individualized cardiovascular fitness program utilizing the FITTE principles. High intensity training programs such as stage training and circuit training will be included. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 64.

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KIN 70A  Pilates - Level 1  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
This class utilizes the Pilates exercise system focused on improving the total body through a series of controlled movements. Emphasis will be on developing core awareness, physical alignment, and form. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 70.

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KIN 70B  Pilates - Level 2  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
This class utilizes the Pilates exercise system focused on improving the total body through a series of controlled movements. Emphasis will be on strength, stamina, and flexibility. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 70.

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KIN 70C  Pilates - Level 3  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
This class utilizes the Pilates exercise system focused on improving the total body through a series of controlled movements. Emphasis will be on strength, stamina, and flexibility. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 70.

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KIN 73A  Fitness Through Dance - Level 1  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
This course introduces the student to the elementary skills of movement and dance through fitness. Focus will be on alignment and coordination. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 73.

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KIN 73B  Fitness Through Dance - Level 2  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
This course continues to develop the student's skills of movement and dance through fitness. Focus will be on intermediate movements in a variety of dance styles. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 73.

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KIN 73C  Fitness Through Dance - Level 3  
**Transferable:** CSU, UC; CSU-GE:E1; GAV-GE:E1  
This course develops the student's skills of movement and dance through fitness by utilizing more advanced movements in a variety of dance styles. Focus will be on cardiovascular fitness as the dance routines increase in length. This course has the option of a letter grade or pass/no pass. Previously listed as KIN 73.

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ATH 27  Basketball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This is a sport specific course designed for our student-athletes. Fundamentals, strategy and rules of the game of basketball are included. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 35  Intercollegiate Basketball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This course provides practice and competition in intercollegiate basketball. Before participating, students must have completed a physical exam and their athletic eligibility paperwork. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 37  Softball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This is a sport specific course designed for our student-athletes. Instruction is in the fundamentals of softball. Fundamentals, rules, strategy and gameplay are included. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 38  Intercollegiate Baseball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This course provides practice and competition in intercollegiate baseball for men. Before participating, students must have completed a physical exam and their athletic eligibility paperwork. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

KIN 80  Ultimate Frisbee
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
A coeducational activity designed for all skill levels. Includes instruction in throwing, catching, and the passing skills in ultimate frisbee. Team strategy, team play and the rules will be presented. Other disc activities, such as frisbee golf, may be included. This course has the option of a letter grade or pass/no pass. Previously listed as PE 80.

ATH 13B  Fundamentals of Volleyball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This course offers basic instruction in the theory, strategies, and techniques of volleyball for the purpose of preparing the student in all aspects of playing and coaching the game. May be repeated once for credit. This course has the option of a letter grade or pass/no pass. Previously listed as PE 13B and KIN 13B. ADVISORY: PE 13A or KIN 13A or ATH 13A.

ATH 13A  Fundamentals of Volleyball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This course offers review and advanced instruction in the theories, strategies and techniques of volleyball for the purpose of preparing the student in the fundamental aspects of playing and coaching the game. May be repeated once for credit. This course has the option of a letter grade or pass/no pass. Previously listed as PE 13A and KIN 13A.

ATH 9B  Fundamentals of Soccer
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This course offers review and advanced instruction in the theories, strategies and techniques of soccer for the purpose of preparing the individual student in all aspects of playing and coaching the sport. May be repeated once for credit. This course has the option of a letter grade or pass/no pass. Previously listed as PE 9B and KIN 9B.

ATH 35  Intercollegiate Basketball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This course provides practice and competition in intercollegiate basketball. Before participating, students must have completed a physical exam and their athletic eligibility paperwork. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 37  Softball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This is a sport specific course designed for our student-athletes. Instruction is in the fundamentals of softball. Fundamentals, rules, strategy and gameplay are included. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

ATH 38  Intercollegiate Baseball
Transferable:  CU, UC; CU-GE:E1; GAV-GE:E1
This course provides practice and competition in intercollegiate baseball for men. Before participating, students must have completed a physical exam and their athletic eligibility paperwork. May be repeated three times for credit. This course has the option of a letter grade or pass/no pass.

If you have questions or would like more information, please contact Nikki Dequin at 408 848.4894 or ndequin@gavilan.edu

www.gavilan.edu Gavilan College 53
ATH 45  Intercollegiate Softball
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
This course provides practice and competition in intercollegiate softball for
women. Before participating, students must have completed a physical exam
and their athletic eligibility paperwork. May be repeated three times for credit.
This course has the option of a letter grade or pass/no pass.
40658  Lab  ATHFLDSFT  N Dequin  2.0  MTWRF  0230-0430
40816  Lab  ATHFLDSFT  N Dequin  1.0  MTWRF  0230-0430

ATH 48  Agility and Strength Development
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
This conditioning class is designed to improve and increase agility and strength
development of the student-athlete through various exercises and exercise
programs. May be repeated three times for credit. This course has the option
of a letter grade or pass/no pass. Previously listed as PE 46 and KIN 46.
40630  Lab  ATHFLDFTB  S Gilford  1.0  MTWR  0400-0500
40631  Lab  ATHFLDFTB  S Gilford  .5  MTWR  0400-0500  03/24/14-05/23/14

ATH 65  Baseball
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
This is a sport specific course designed for our student-athletes.
Fundamentals, mechanics, strategy and rules of the game of baseball
are included. May be repeated three times for credit. This course has the option
of a letter grade or pass/no pass.
40632  Lab  ATHFLDBAS  N Andrade  1.0  MTWRF  0100-0430  01/02/14-01/23/14

ATH 75  Sports Conditioning
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
This activity class is designed to improve the physical condition of our male
and female student-athletes. It includes strength training, cardiovascular endurance,
plyometric training, and sport specific techniques through an open lab format.
May be repeated three times for credit. This course has the option of a letter
grade or pass/no pass. Previously listed as PE 75 and KIN 75.
40643  Lab  GFPITCNTR  J Lango  1.0  TR  0845-1045
40648  Lab  GFPITCNTR  J Lango  .5  TR  0845-1045

ATH 77  Football
Transferable:  CSU, UC; CSU-GE:E1; GAV-GE:E1
This is a sport specific course designed for our student-athletes. Instruction
is in the fundamentals of football. Includes skills, rules and strategy with
emphasis on the application of skills and strategies in game play. May be
repeated three times for credit. This course has the option of a letter grade
or pass/no pass.
40649  Lab  ATHFLDFTB  S Gilford  .5  TWR  0505-0635  04/15/14-05/23/14

LIB 3  Research Skills
Transferable:  CSU
Research and evaluation skills using the Internet and other electronic
resources, as well as traditional printed materials. Also listed as CSIS 3. This
course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for
English 250 and 260.
40884  Online  A Sargent  2.0  .

LIB 6  Web Page Authoring I
Transferable:  CSU; GAV-GE:E2
A introduction to using Hypertext Mark-Up Language (HTML) and Extensible
HTML (XHTML) to create web pages which can be uploaded and displayed
on the World Wide Web. Students will use HTML/XHTML to create web pages
with text in various sizes and colors, links to other sites, background color or
patterns, graphics, tables, and mailto links. Principles of design and color as
they apply to screen presentations will be included. This course has the option
a letter grade or pass/no pass. Also listed as CSIS 6 and DM 6. ADVISORY:
CSIS 1 or CSIS 2 or CSIS/LIB 3 advised.
40718  Online  J Howell  2.0  01/27/14-03/23/14
40724  Online  J Howell  2.0  03/10/14-05/04/14

LIB 140  Online Health Research
Transferable:  CSU
A beginning course on how to find reliable and current health-related
information, using the Internet and other electronic resources. This course is
also listed as AH 140.
40886  Online  S STAFF  2.0

MCTV 17A  Television and Video Workshop
Transferable:  CSU
Introduction to theory, terminology and operation of a multi-camera television
studio and control room. Including: production, studio signal flow, directing,
camera theory and operation, audio equipment set-up, switcher operation,
fundamentals of lighting, graphics, video control and recording and live video
production. This course is also listed as THEA 17A. ADVISORY: Theatre Arts
16 Intro to TV or consent of instructor.
40174  L/L  LI144  R Novales  3.0  MW  1120-1210  11/20-0145

MCTV 17B  Television and Video Workshop
Transferable:  CSU
Emphasis placed on production and post-production techniques in video
production. Student knowledge and skills are increased by participating in live
tape projects. May be repeated twice for credit. This course is also listed as
THEA 17B. ADVISORY: Completion of Theatre Arts 17A.
40176  L/L  LI144  R Novales  3.0  TR  1120-0145

MCTV 19  Acting and Voice for TV / Film / Media
Transferable:  CSU, UC
Theory and practice of acting, performance and development of voice,
articulation and pronunciation for TV, film, and media. Learning experiences
include project in broadcasting, reporting, commercials, public service
announcements (PSA), comedy and drama. This course has the option of a
letter grade or pass/no pass. This course is also listed as THEA 19.
40177  L/L  LI144  R Gonzalez  3.0  TR  0945-1210

Liberal Arts

LIBRARY

In order to receive federal financial aid,
students must have a high school
diploma, or GED. Sign up today,
see page 66 for details.

This class is open entry/open exit and FREE of charge.
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**MATH 1A Single-Variable Calculus and Analytic Geometry**

**Transferable:** CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4; CAN:MATH18, MATH SEQ BC

Limits and continuity, analyzing the behavior and graphs of functions, derivatives, implicit differentiation, higher order derivatives, related rates and optimization word problems, Newton’s Method, Fundamental Theorem of Calculus, and definite and indefinite integrals. (C-ID: MATH 210) PREREQUISITE: Mathematics 8B with a grade of 'C' or better.

**MATH 1B Single-Variable Calculus and Analytic Geometry**

**Transferable:** CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4; CAN:MATH20, MATH SEQ BC

This course is a standard second semester Calculus course covering methods of integration, applications of the integral, differential equations, parametric and polar equations, and sequences and series. (C-ID: MATH 220) (C-ID: MATH 900S; Math 1A + Math 1B) PREREQUISITE: Mathematics 1A with a grade of 'C' or better.

**MATH 2 Linear Algebra**

**Transferable:** CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4; CAN:MATH26

A standard one semester Linear Algebra course covering systems of linear equations, vectors and matrices, determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors. Graphing calculators and computers will be used. (C-ID: MATH 250) PREREQUISITE: Mathematics 1C with a grade of 'C' or better.

### Winter Boot Camps!

Get ready for your spring classes.

Whether you are a student who needs more practice in understanding foundational elements, or you just need to brush up on your algebraic skills, these boot camps are for you.

#### Basic Skills Boot Camp

Preparation for Math 402/205
See Math 414 for details

#### Algebra Boot Camp

Preparation for Math 233/Math 8A
See Math 415 for details

#### Free Precalculus Boot Camp

Preparation for Calculus A, B, C & 8B • Jan. 21 -24
9:00 AM - 4:00 PM • Space is limited to the first 25 people. Email Dlawson@gavilan.edu before Dec. 25th to reserve your space.

DON’T FORGET TO LOOK FOR OUR SUMMER BOOTCAMPS!

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**The New Algebra Sequence**

- **Pre-algebra**
  - Math 411 – Integrated Pre-algebra (Offered in Fall only) (Accelerated)
  - Or
  - Math 400 – Basic Arithmetic
    - Math 402 – Pre-algebra
  - Math 235 – Int. Algebra (offered in the Spring only) (Accelerated)

- **Algebra**
  - Math 430 – Algebra I (offered first time Fall ’13)
    - Math 240 – Algebra II (offered first time Spring ’14)
    - Math 242 – Algebra II for Statistics (offered first time Spring ’14)

- **Transfer Level**
  - Math 6: Calc for Bus
  - Math 8A - Precalc I
  - Math 8B – Precalc II
  - Math 1A - Calc I
  - Math 1B - Calc II
  - Math 1C - Calc III
  - Math 2 - Lin. Alg
  - Math 2C - Dif. Eq.
Mathematics

CRN Type Room Instructor Units Days Times Dates

MATH 2C Differential Equations
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4; CAN:MATH2C
An introductory course in differential equations that covers: first, second, and higher order equations involving linear, separable, exact, homogeneous, linear systems, Euler’s numerical, method of undetermined coefficients, variation of parameters, reduction of order, Laplace Transforms, series solutions, and Fourier Analysis; and applications thereof. PREREQUISITE: MATH 1C with a grade of ’C’ or better.
40492 Lec PS102 M Dresch 3.0 MW 1250-0210

MATH 5 Introduction to Statistics
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4; CAN:STAT2
Descriptive analysis and presentation of either single-variable data or bivariate data, probability, probability distributions, normal probability distributions, sample variability, statistical inferences involving one and two populations, analysis of variance, linear correlation and regression analysis. Statistical computer software will be extensively integrated as a tool in the description and analysis of data. PREREQUISITE: Mathematics 233 or Math 240 with a grade of ’C’ or better. The instructor will be using and supporting a TI-83 Plus graphing calculator in all classroom demonstrations.
40502 L/L LS101 A Jiru 3.0 MW 1250-0210
L/L MA101 A Jiru F 1250-0140
40503 L/L LS101 D Lawson 3.0 TR 1120-1240
L/L MA101 D Lawson F 1120-1210
40504 L/L MA101 H Jukl 3.0 TR 0230-0350
L/L MA101 H Jukl R 0400-0450
40505 Online S STAFF 3.0
40506 L/L MHG12 A Viarengi 3.0 MW 0600-0805
Above class meets at Morgan Hill Community site.
40507 L/L HOL2 N Wadia 3.0 TR 0600-0805
Above class meets at the Hollister Briggs site.

MATH 6 Calculus for Business / Social Science
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4; CAN:MATH6B
This course applies the fundamental principles and techniques of calculus to problems in business, economics, the life sciences and the social sciences. Topics will include limits, and differentiation and integration of linear, quadratic, polynomial, exponential and logarithmic functions. This course is not intended for students majoring in engineering, the physical sciences or math. Using a calculator is required. Graphing calculator is recommended. PREREQUISITE: Mathematics 233 with a grade of ’C’ or better.
40508 Lec LS101 L Hilden 3.0 MW 0400-0520

MATH 7 Finite Mathematics
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4; CAN:MATH12
Systems of linear equations and matrices, introduction to linear programming, finance, counting techniques and probability, properties of probability and applications of probability. PREREQUISITE: Mathematics 233 with a grade of ’C’ or better.
40509 Lec PS105 S Dharia 3.0 TR 0945-1105

MATH 8A First Half of Precalculus
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4
Math 8A prepares the student for the study of calculus by providing important skills in algebraic manipulation, interpretation, and problem solving at the college level. Topics will include basic algebraic concepts, complex numbers, equations and inequalities of the first and second degree, functions, and graphs, linear and quadratic equations, polynomial functions, exponential and logarithmic functions, systems of equations, matrices and determinants, right triangle trigonometry, and the Law of Sines and Cosines. PREREQUISITE: Mathematics 233 with a grade of ’C’ or better. The instructor will be using and supporting TI-83 Plus graphing calculator in all classroom demonstrations.
40510 Lec PS102 J Nari 4.0 MW 0600-0805
40511 Lec SS206 K Wagman 4.0 MWF 1250-0200

MATH 8B Second Half of Precalculus
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4
Math 8B prepares students for the study of calculus by providing important skills in algebraic manipulation, interpretation, and problem solving at the college level. Topics will include trigonometric functions, identities, inverse trigonometric functions, and equations; applications of trigonometry, vectors, complex numbers, polar and parametric equations; conic sections; sequences, series, counting principles, permutations, mathematical induction; analytic geometry, and an introduction to limits. PREREQUISITE: Mathematics 8A with a grade of ’C’ or better. ADVISORY: Math 208 Survey of Practical Geometry.
40512 Lec MA103 S Tyuleneva 4.0 MWF 0230-0340
40513 Lec PS105 R Lee 4.0 MWF 1250-0200

MATH 233B Second Half of Intermediate Algebra
Transferable: No; GAV-GE:B4
This course will start with a review factoring polynomials, and then cover the following topics with an emphasis on applications and problem solving strategies: solving polynomial equations by factoring; adding, subtracting, multiplying, dividing and simplifying rational expressions and solving rational equations; adding, subtracting, multiplying, dividing and simplifying roots, radicals and complex numbers and solving radical equations; working with composition of functions and inverse functions, working with exponential and logarithmic functions, equations and expressions; employing various methods of solving quadratic equations and inequalities; and graphing quadratic functions. PREREQUISITE: Completion of MATH 233A with a grade of ’C’ or better.
40489 Lec PS102 J Nari 2.5 MW 0945-1055
MA103 F 0945-1055
40490 Lec SS206 L Hilden 2.5 MW 0600-0805

MATH 235 Integrated Algebra
Transferable: No
This course is a blend of standard elementary and intermediate algebra courses with a focus on linear equations and inequalities, graphs and functions, systems of equations, polynomials and polynomial functions/ equations, factoring, rational expressions and equations, roots, radicals, and complex numbers, exponential and logarithmic functions, and problem solving strategies. PREREQUISITE: MATH 402 with a grade of ’Pass’ or assessment test recommendation.
40491 Lec MA102 E Dachkova 10.0 MTRF 0230-0455

MATH 240 Algebra II
Transferable: No
This is a second course of algebra and is designed for STEM and other math based majors. It will cover solving systems of equations with matrices, graphs and functions, absolute value equations and inequalities, radical, quadratic, exponential and logarithmic expressions and functions, complex numbers, conic sections, and problem solving strategies. PREREQUISITE: Math 430 with a grade of C or better, or Math 205, Math 205B, or Math 233A with a grade of C or better, or assessment test recommendation.
40479 Lec MHG13 S Tyuleneva 5.0 MTWR 1250-0155
Above class meets at Morgan Hill Community site.
40480 Lec SS206 G Fuller 5.0 MTWR 0810-0900
40481 Lec SS206 K Wagman 5.0 MTWR 0945-1050
40482 Lec HOL4 R Potter 5.0 MTWR 1250-0155
Above class meets at the Hollister Briggs site.
40483 Lec HOL5 R Bates 5.0 TR 0945-1105
Above class meets at Morgan Hill Community site.

ONLINE CLASSES: You must have an email account to take this course. Start your course by going to http://www.gavilan.edu/disted. Unless you have made prior arrangements with the instructor, you MUST log on by 11:59 pm on the first day of the course. Late adds must login within 24 hours of adding this course. If you miss the deadline you may be dropped. For help, contact your instructor or email disted@gavilan.edu.
### Spring 2014

**Mathematics**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
<th>Days</th>
<th>Times</th>
<th>Dates</th>
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<tr>
<td>40488</td>
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</table>

Above class meets at the Hollister Briggs site.

### Major Changes Coming to Math Sequence

The timing of the phase out is as follows:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Classes offered for the first time</th>
<th>Classes offered for the last time</th>
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<tbody>
<tr>
<td>Summer 2013</td>
<td>Math 205</td>
<td>Math 205A</td>
</tr>
<tr>
<td>Fall 2013</td>
<td>Math 430 – Algebra I</td>
<td>Math 205B</td>
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<tr>
<td></td>
<td>Math 411 – Integrated Prealgebra</td>
<td>Math 233</td>
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<td>Math 240 – Algebra II</td>
<td>Math 233A</td>
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<tr>
<td>Spring 2014</td>
<td>Math 242 – Algebra II for</td>
<td>Math 233B</td>
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<td></td>
<td>Statistics (one section only)</td>
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</table>

Prerequisites for the new courses are as follows:

<table>
<thead>
<tr>
<th>Class</th>
<th>Accepted Prerequisites</th>
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<tbody>
<tr>
<td>Math 430 – Algebra I and</td>
<td>Math 402, Math 411, or placement (Math 205A accepted as well)</td>
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<tr>
<td>Math 235 – Integrated Algebra</td>
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</tr>
<tr>
<td>Math 240 – Algebra II and</td>
<td>Math 430, Math 205, Math 205A and Math 205B</td>
</tr>
<tr>
<td>Math 242 – Algebra II for</td>
<td>Statistics or placement (Math 233A accepted as well)</td>
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<tr>
<td>Statistics</td>
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</tr>
<tr>
<td>Math 5 – Statistics</td>
<td>Math 242 or Math 240 or Math 233 or Math 233A and Math 233B</td>
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<tr>
<td>All other transferrable Math</td>
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<tr>
<td>classes</td>
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<table>
<thead>
<tr>
<th>Class</th>
<th>Accepted Prerequisites</th>
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<tbody>
<tr>
<td>Math 415</td>
<td>Highly recommended:</td>
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<tr>
<td>Algebraic Boot Camp</td>
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<tr>
<td>in January 2014</td>
<td></td>
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</tbody>
</table>

### MATH IMMERSION

Highly recommended:

**MATH 415**

Algebraic Boot Camp

**MATH 235**

Integrated Algebra

only offered in the spring

If you are interested in enrolling, please call math instructor Elena Dachkova at 408.623.5629 or email her at edachkova@gavilan.edu.

**Get Your Prerequisites Early**
MATH 430  Algebra I
Transferable:  No
This is the first course of algebra. It will cover simplifying algebraic expressions, linear equations and inequalities, linear functions and their graphs, systems of equations, polynomials, factoring, rational expressions, and applications of all of the above. PREREQUISITE: Math 402 with a grade of “Pass”, or Math 411 or Math 205A with a grade of C or better, or assessment test recommendation.

CRN  Room  Instructor  Units  Days  Times  Dates
40470  Lec  LS101  P. Tantalo  5.0  MTWRF  0810-0900
40471  Lec  MHG10  S. Kercheval  5.0  MTWRF  1250-1515
40472  Lec  SS206  K. Wagman  5.0  MTWRF  1120-1225
40473  Lec  HOL2  R. Bates  5.0  MTWRF  1250-1515
40474  Lec  PS105  M. Grover  5.0  MTWRF  0230-0335
40475  Lec  PS105  L. Robledo  5.0  TR  0600-0825
40476  Lec  MA103  C. Lippi  5.0  MTWRF  0945-1050
40477  Lec  PS105  N. Singh  5.0  MTWRF  0400-0505
40478  Lec  MHG3  A. Arid  5.0  MTWRF  0600-0820

Above class meets at Morgan Hill Community site.

MUS 1B  Music History and Literature
Transferable:  CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1
A survey of the development of music in western civilization including representative composers from the Medieval period to the present. Music 1B will study the music and styles from late Romanticism to the present. ADVISORY:  Eligible for English 250 and English 260.

CRN  Room  Instructor  Units  Days  Times  Dates
40181  Lec  MU101  D. Munoz  3.0  MW  0945-1105

MUS 2  History of Jazz and Rock
Transferable:  CSU; GAV-GE:C1
This course covers the introduction and history of jazz and rock music from traditional, ragtime, boogie-woogie, swing, bebop, and cool, to various contemporary jazz, rock and fusion art forms. It includes a study of the forces that have shaped the art from European, African, Latin, and African-American influences. The class explores the contributions and conflicts of African-American influences through the history and development of this American music.

CRN  Room  Instructor  Units  Days  Times  Dates
40815  Lec  MU101  A. Marques / N. Pruitt  3.0  T  0600-0905

MUS 3B  Harmony / Theory / Musicianship II
Transferable:  CSU, UC; GAV-GE:C1
Fundamentals of music, intermediate harmony, and musicianship. ADVISORY: Must be taken in sequence.

CRN  Room  Instructor  Units  Days  Times  Dates
40183  L/L  MU101  E. Ratay  4.0  TR  0945-1250

MUS 4A  Beginning Piano
Transferable:  CSU, UC; CSU-GE:C1; GAV-GE:C1
Introduction to music fundamentals and keyboard technique. Development of beginning keyboard skills including note reading in bass and treble clef, fingering, rhythm, key signatures, primary chords and inversions. ADVISORY: Must be taken in sequence.

CRN  Room  Instructor  Units  Days  Times  Dates
40184  L/L  MU102  M. Amirkhanian  3.0  TR  1120-1225
40185  L/L  MU102  M. Amirkhanian  3.0  MW  1120-1225
40186  L/L  MU102  M. Amirkhanian  3.0  TR  0900-1105

MUS 4B  Beginning Piano
Transferable:  CSU, UC; GAV-GE:C1
Continuation of Music 4A. Introduction to music fundamentals and keyboard technique. Development of beginning keyboard skills including note reading in bass and treble clef, fingering, rhythm, key signatures, primary chords and inversions. ADVISORY: Music 4A.

CRN  Room  Instructor  Units  Days  Times  Dates
40187  L/L  MU102  M. Amirkhanian  2.0  TR  0945-1105

MUS 5A  Intermediate Piano
Transferable:  CSU, UC; GAV-GE:C1
Development of intermediate keyboard skills through means of scales, chords, technical studies. Continuation of music fundamentals and beginning keyboard harmony; introduction of easier classical and standard piano literature. ADVISORY: Music 4B

CRN  Room  Instructor  Units  Days  Times  Dates
40188  L/L  MU102  M. Amirkhanian  2.0  TR  0945-1105

MUS 5B  Intermediate Piano
Transferable:  CSU, UC; GAV-GE:C1
Development of intermediate keyboard skills through means of scales, chords and technical studies. Continuation of music fundamentals and beginning keyboard harmony; introduction of easier classical and standard piano literature. ADVISORY: Music 5A

CRN  Room  Instructor  Units  Days  Times  Dates
40189  L/L  MU102  M. Amirkhanian  2.0  TR  0945-1105

MUS 5C  Advanced Piano
Transferable:  CSU, UC; GAV-GE:C1
Development of advanced keyboard skills through means of scales, chords and technical studies. Continuation of music fundamentals and keyboard harmony; introduction of moderately difficult classical and standard piano literature. ADVISORY: Music 5B

CRN  Room  Instructor  Units  Days  Times  Dates
40190  L/L  MU102  M. Amirkhanian  2.0  TR  0945-1105

MUS 5D  Advanced Piano
Transferable:  CSU, UC; GAV-GE:C1
Development of advanced keyboard skills through means of scales, chords and technical studies. Continuation of music fundamentals and keyboard harmony; introduction of moderately difficult classical and standard piano literature. ADVISORY: Music 5C

CRN  Room  Instructor  Units  Days  Times  Dates
40191  L/L  MU102  M. Amirkhanian  2.0  TR  0945-1105

MUS 6  Introduction to World Music
Transferable:  CSU, UC; CSU-GE:C1, IGETC:3A; GAV-GE:C1, F
This course explores a broad and diverse survey of different non Western music cultures, helping students develop listening skills to identify, distinguish and appreciate the elements and richness of each culture’s music. The course will cover a rich diversity of styles through informed listening, analysis and discernment of musical elements, form and repertoire. Music of various cultures will be explored, for example: India, China, Japan, the Middle East, Indonesia, Africa, Europe and the Americas.

CRN  Room  Instructor  Units  Days  Times  Dates
40192  Lec  MU101  D. Munoz  3.0  MW  0810-0930

MUS 7  Songwriting and Composition
Transferable:  CSU
This course is an introduction to modern song writing techniques. Students will learn to create their own musical compositions. Approaches to contemporary issues in song writing including development of melodic, lyrical, and rhythmic ideas will be studied. In addition, students will learn strategies for promoting their songs in the contemporary music marketplace as well as basic concepts of intellectual property right protection. While recommended, no prior formal musical education is required.

CRN  Room  Instructor  Units  Days  Times  Dates
40193  Lec  MU102  E. Ratay  3.0  TR  0810-0930

MUS 12 Vocal Ensemble
MUS 14A Instrumental Ensemble
Perform on and off campus. The most fun you'll ever have in a class! Play: Rock & Roll / Jazz / Blues / Hip Hop / Rap / Top Hits / Classics / Your original songs!

MUS 16A Intro to Audio Recording
Learn about microphone placement and signal flow Digital Recording State of the Art equipment Record your own songs!
MUS 8A  Beginning Voice
Transferable: CSU, UC; GAV-GE:C1
Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Continues in sequence or by demonstrated proficiency.

MUS 8B  Beginning Voice
Transferable: CSU, UC; GAV-GE:C1
Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Music 8A or demonstrated proficiency.

MUS 8C  Intermediate Voice
Transferable: CSU, UC; GAV-GE:C1
Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Music 8C or demonstrated proficiency.

MUS 9B  Guitar
Transferable: CSU, UC; GAV-GE:C1
An introduction to playing the guitar. Basic staff notation, correct fingering and chord arpeggios are covered. Emphasis is also placed on developing musical listening skills. Students must provide their own guitars. ADVISORY: Students must provide their own guitars.

MUS 9C  Intermediate Voice
Transferable: CSU, UC; GAV-GE:C1
Development of techniques in the art of singing and interpreting serious music in various styles. Study of the basic techniques of tone production, breathing and related skills. Basic repertoire development. ADVISORY: Music 9C or demonstrated proficiency.

MUS 10  Vocal Ensemble
Transferable: CSU, UC; GAV-GE:C1
The day Vocal Ensemble will focus on individual and group performance of popular and alternative commercial music, and will rehearse and perform with a backup band. The evening Vocal Ensemble will study, rehearse and perform choral music in a broad spectrum of musical genre and styles. Included will be the study of vocal and rehearsal techniques as they relate to ensemble performance.

MUS 12  Instrumental Ensemble
Transferable: CSU; GAV-GE:C1
Instruction for the experienced musician with emphasis on the study and performance of a wide variety of musical styles from Renaissance to 20th Century music for traditional ensembles, and extensive consideration of contemporary commercial and alternative repertoire, and performance techniques for popular ensembles. This course was previously listed as MUS 14A. (C-ID: MUS 180)

PHIL 1  Introduction to Philosophy
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2; CAN:PHIL2
Philosophy 1 is intended as a survey of the major areas and traditions of philosophy. The course examines central and significant questions about the meaning of life, who determines what is morally right or wrong, the ideal society, the various notions social justice, what is reality, and many other ideas. In pursuing these questions, students will be asked to read texts from writers around the world, both contemporary and ancient, discuss current events, and apply 'theory' to movies such as "The Matrix" trilogy, novels, and any other relevant application of the student's own choice. (C-ID: PHIL 100) ADVISORY: Eligible for English 1A.

PHIL 2  Introduction to Logic
Transferable: CSU, UC; CSU-GE:A3; GAV-GE:C2; CAN:PHIL6
Logic is the study of good reasoning. This course will explore two important modes of reasoning: deduction and induction. We will use formal methods from sentential logic, including truth tables and proofs, to test for correct or 'valid' inferences. Common mistakes in reasoning (i.e., fallacies) will be examined, as well as language and scientific reasoning. Practical application in logic outside the classroom will be emphasized. (C-ID: PHIL 210) ADVISORY: Eligible for English 1A.
CRN  Type Room  Instructor  Units  Days  Dates

PHIL 3B  Contemporary Moral Issues  
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2, E2  
Contemporary Moral Issues in an applied ethics class that covers major ethical theories and contemporary moral issues in a pluralistic manner. This course will cover such issues as abortion and euthanasia, cloning, experimentation on human subjects, capital punishment, race/ethnicity, sexual orientation and sexual morality, world hunger and poverty, colonialism and post-colonialism, and so forth. ADVISORY: Eligible for English 1A.

40230  Lec  AR103  R Scherbart  3.0  MW 0945-1105

PHIL 4  Critical Thinking and Writing  
Transferable: CSU, UC; CSU-GE:A3, IGETC:1B; GAV-GE:C2  
This course is designed to introduce the relationship between critical thinking and critical writing in a way that will be both enjoyable to the student and helpful in other aspects of life. The student will learn techniques of critical thinking, playing close attention to the current events, movies and popular media, music lyrics, as well as the textbook. Students will learn to identify deductive and inductive arguments and be able to evaluate their strength, create a strong argument of their own on a given topic, as well be experts in the area of critical analysis. The goal is to enable students to become strong, well informed, articulate members of the community as well as individuals with an empowered sense of self as an agent of change. PREREQUISITE: English 1A.

40231  Lec  PB1  A Delunas  3.0  TR 0330-0450
40232  Lec  MHG11  G Grudzen  3.0  TR 0230-0350
Above class meets at Morgan Hill Community site.

PHIL 6  Comparative Religions  
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2, F  
Religion is a topic that ignites controversy -- most societies engage in religious practices, believe strongly in that tradition, and find a sense of identity within it. The controversy arises when differences are misunderstood, misrepresented, or placed in a hierarchy of assumed supremacy of one religion as superior to others. In this class, students explore the underlying commonality of various religious traditions, explore the uniqueness of the religions with which they are unfamiliar, and learn to see that diversity among beliefs doesn’t have to create hostility. Students will explore religions from Indigenous Peoples throughout the world, East Asia (e.g. India), China, the Middle East, as well as some more recent trends in religion. Previously known as PHIL 6A. ADVISORY: Eligible for English 1A.

40233  Lec  SS205  R Scherbart  3.0  MW 0810-0930

APE 34  Adapted Aquatic Exercise  
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1  
This course is designed to help individuals who by the nature of their disability such as wheelchair use, back injury, cardiovascular impairment, multiple sclerosis or other disabling condition require a specific aquatic exercise program that will contribute to their physical well-being. May be repeated as necessary based on measurable progress as documented in the student’s educational contract. This course has the option of a letter grade or pass/no pass. Previously known as PE 34.

40203  Lab  GYPOOL K Sato  1.0  MW 0810-0930
40205  Lab  GYPOOL K Sato  1.0  MW 1120-1240
40206  Lab  GYPOOL K Sato  1.0  TR 1120-1240

APE 36  Adapted Physical Education  
Transferable: CSU, UC; CSU-GE:E1; GAV-GE:E1  
An individualized program of adaptive physical education activities designed to meet the needs of students with physical disabilities. Develops an appreciation of physical activity as a regular planned contribution to one’s overall well-being. May be repeated as necessary based on measurable progress as documented in the student’s educational contract. This course has the option of a letter grade or pass/no pass. Previously known as PE 36.

40208  Lab  APE101 K Sato  1.0  MW 0945-1105
40209  Lab  APE101 K Sato  1.0  TR 0945-1105
40210  Lab  APE108 K Sato  1.0  MW 1250-0210
40211  Lab  APE108 K Sato  1.0  TR 1250-0210

PHYSICAL EDUCATION - ADAPTED

PSCI 1  Principles of Physical Science  
Transferable: CSU, UC; CSU-GE:B1, IGETC:5A; GAV-GE:B1  
An introduction to the physical sciences for the non-science major. Attention is focused on fundamental laws of nature, their development and relation to the physical world. PREREQUISITE: MATH 205, or MATH 430, or the equivalent, with a grade of “C” or better. ADVISORY: English 250 and English 260.

40518  Lec  HOL2  S STAFF  3.0  M 0600-0905
Above class meets at the Holister Briggs site.

PSCI 2  Introduction to Meteorology  
Transferable: CSU, UC; CSU-GE:B1, IGETC:5A; GAV-GE:B1  
An introductory course in Meteorology that is both descriptive and analytical on the physical principles affecting the earth’s weather. Topics covered include the nature of the atmosphere, solar energy, heat, temperature, pressure, stability, moisture, winds, storms, severe weather and forecasting. The course introduces climatology as a scientific study and will look at the earth’s climatic history, current research in climate modeling and the possibility of global climate change. ADVISORY: MATH 205.

40519  Online  A Van Tuyl  3.0

PHYSICS

PHYS 1  Introduction to Physics  
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A, 5C; GAV-GE:B1, B3  
This course is an introduction to the fundamental physical principles that control the world around us. Students will explore the fundamental principles of physics, their historical development, their application to everyday phenomena, and their impact upon political, social, and environmental issues. Laboratory exercises will explore the everyday world. ADVISORY: Mathematics 205.

40514  L/L  PS102  M Masuda  4.0  TR 0945-1250

Spring 2014
**POLITICAL SCIENCE**

**POLS 1** Introduction to American Government  
**Transferable:** CSU, UC; CSU-GE:B1, 7A; IGETC:4H; GAV-GE:D1, D2; CAN:GOVT2  
Explores the development of American political institutions and their utilization in dealing with issues arising at the international, national, and state levels. Emphasis is placed on those problems which have defined our federal system of government. California government and appropriate state institutions will be included as a vital part of our federal system of government. ADVISORY: Eligible for English 250 and English 260.

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**POLS 3** Introduction to Comparative Politics  
**Transferable:** CSU, UC; CSU-GE:D8, IGEC:4H; GAV-GE:D2, F  
Comparative survey of political institutions and processes around the globe. Selected nations may include, but are not restricted to: the United Kingdom, France, Germany, Japan, Russia, India, Nigeria, and Mexico. ADVISORY: Eligible for English 250 and English 260.

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**ONLINE CLASSES:** You must have an email account to take this course. Start your course by going to http://www.gavilan.edu/disted. Unless you have made prior arrangements with the instructor, you MUST log on by 11:59 pm on the first day of the course. Late adds must login within 24 hours of adding the course. If you miss the deadline you may be dropped. For help, contact your instructor or email distant@gavilan.edu.

**PSYCHOLOGY**

**PSYC 2** Early Child Development  
**Transferable:** CSU, UC; CSU-GE:D9, E, IGETC:4I; GAV-GE:D2, E2  
This course examines typical and atypical development within the psychosocial, cognitive, and physical domains from conception through the preschool years. Upon completion of this course, students will be able to evaluate theories and research of child development and effectively apply and communicate their understanding through observation and evaluation. This course is also listed as CD 2. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 1A; transfer student consult with advisor.

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**PSYC 3** Child Growth and Development During the School Years  
**Transferable:** CSU, UC; CSU-GE:D9, E, IGETC:4I; GAV-GE:D2, E2  
This course examines typical and atypical development within the psychosocial, cognitive and physical domains from middle childhood through adolescence. Upon completion of this course, students will be able to evaluate theories and research of child development and effectively apply and communicate their understanding through observation and evaluation. This course has the option of a letter grade or pass/no pass. This course is also listed as CD 3. ADVISORY: Eligible for English 1A; transfer students consult with advisor.

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