COURSE OUTLINE : ABSE 35
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : ABSE

COURSE NUMBER : 35

COURSE TITLE (FULL) : Integrated Mathematics 2A

COURSE TITLE (SHORT) : Integrated Mathematics 2A

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

ABSE 35 focuses on algebraic relations, equations, and functions; applications of various types of graphing; and working with polynomials, and complex numbers. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics and to earn high school credit in mathematics.

CATALOG NOTES

This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of this course is worth 5 credits (1/2 unit) towards a high school diploma.

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours:0.00

Total Laboratory Hours: 100.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 100.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	ABSE - 19 - Integrated Mathematics 1B	Recommended Preparation	Added
and	ESL - 40 - ENGLISH AS A SECOND LANGUAGE LEVEL 4	Recommended Preparation	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ABSE	19	Integrated Mathematics 1B	Compare linear and exponential growth;	Yes
2	ABSE	19	Integrated Mathematics 1B	interpret the parameters in a linear or exponential function in terms of a context;	Yes
3	ABSE	19	Integrated Mathematics 1B	write arithmetic and geometric sequences both recursively and with an explicit formula;	Yes
4	ABSE	19	Integrated Mathematics 1B	make a variety of formal geometric constructions using a variety of tools;	Yes
5	ABSE	19	Integrated Mathematics 1B	experiment with transformations in the plane;	Yes
6	ABSE	19	Integrated Mathematics 1B	understand congruence in terms of rigid motions;	Yes
7	ABSE	19	Integrated Mathematics 1B	explain triangle congruence in terms of rigid motion;	Yes
8	ABSE	19	Integrated Mathematics 1B	prove theorems about lines and angles, triangles, and parallelograms;	Yes
9	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level;	Yes
10	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	write a three-paragraph composition that contains an introductory paragraph, a body, and a conclusion;	Yes
11	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	converse at a functional level adequate for everyday use on the campus and in the community;	Yes
12	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate understanding of the majority of face-to-face speech, recorded, and live dialogues in standard dialect at a normal rate, although some repetition may be required;	Yes
13	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	decode 3,000-word reading passages, identify main ideas and supporting details, make inferences, and summarize short passages;	Yes

14	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	approximate standard American pronunciation well enough to be understood by typical fluent speakers of English.	Yes

EXIT STANDARDS

1. Determine the domain, range, and end behavior of a function;
2. transform the graph of the function f(x);
3. solve absolute value equations and inequalities;
4. write a radical expression with a rational exponent;
5. add, subtract, and multiply monomials, binomials, and polynomials;
6. use the graph of a quadratic function to solve its related quadratic equation;
7. apply the Zero Product Property to solve quadratic equations in factored form;
8. choose a method for solving a given quadratic equation: factoring, using square roots, completing the square, etc.;
9. solve a system of equations when one equation is linear and the other is quadratic;
10. use the linear regression function on a graphing calculator to find the line of best fit for a two-variable data set;
11. utilize exponential functions to model the increase or decrease of a quantity over time;
12. determine whether a given data set is bet modeled by a linear, quadratic, or exponential function;
13. define a complex number and use them to solve addition, subtraction, and multiplication problems;
14. utilize the standard form for the equation of a circle;
15. apply the distance formula for deriving equations for both vertical and horizontal parabolas;
16. find the inverses of functions from their graphs;
17. graph transformations of parent square root functions and parent cube root functions.

STUDENT LEARNING OUTCOMES

1 Analyze piecewise, exponential and quadratic functions using different representations
2 Determine the methods for solving quadratic equations: factoring, using square roots, completing the square, etc.
3 Construct and compare linear, quadratic and exponential models and utilize them to solve problems

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Analyzing Functions • Domain, Range, and End Behavior • Characteristics of Function Graphs • Inverses of Functions	0	7	7
2	Absolute Value Functions, Equations, and Inequalities • Graphing Absolute Value Functions • Solving Absolute Value Equations • Solving Absolute Value Inequalities	0	7	7
3	Rational Exponents and Radicals • Understanding Rational Exponents and Radicals • Simplifying Expressions with Rational Exponents and Radicals	0	5	5
4	Adding and Subtracting Polynomials • Understanding Polynomial Expressions • Adding Polynomial Expressions • Subtracting Polynomial Expressions	0	7	7
5	Multiplying Polynomials • Multiplying Polynomial Expressions by Monomials • Multiplying Polynomial Expressions • Special Products of Binomials	0	7	7
6	Graphing Quadratic Functions • Understanding Quadratic Functions • Transforming Quadratic Functions • Interpreting Vertex Form and Standard Form	0	7	7
7	Connecting Intercepts, Zeros and Factors • Connecting Intercepts and Zeros • Connecting Intercepts and Linear Factors	0	7	7

	• Applying the Zero Product Property to Solve Equations			
8	Using Factors to Solve Quadratic Equations • Solving Equations by Factoring x2 + bx + c • Solving Equations by Factoring ax2 + bx + c • Using Special Factors to Solve Equations	0	7	7
9	Using Square Roots to Solve Quadratic Equations • Solving Equations by Taking Square Roots • Solving Equations by Completing the Square • Using the Quadratic Formula to Solve Equations • Choosing a Method for Solving Quadratic Equations • Solving Nonlinear Systems	0	11	11
10	Linear, Exponential, and Quadratic Models • Fitting a Linear Model to Data • Graphing Exponential Functions • Modeling Exponential Growth and Decay • Modeling with Quadratic Functions • Comparing Linear, Exponential, and Quadratic Models	0	12	12
11	Quadratic Equations and Complex Numbers • Solving Quadratic Equations by Taking Square Roots • Complex Numbers • Finding Complex Solutions of Quadratic Equations	0	7	7
12	Quadratic Relations and Systems of Numbers • Circles • Parabolas • Solving Linear-Quadratic Systems	0	7	7

13	Functions and Inverses • Graphing Polynomial Functions • Understanding Inverse Functions • Graphing Square Root Functions • Graphing Cube Root Functions	0	9	9
				100

OUT OF CLASS ASSIGNMENTS

1 Not Applicable

METHODS OF EVALUATION

1 individualized contract
2 assessments at the end of each chapter
3 unit exams

METHODS OF INSTRUCTION

☐ Lecture
☑ Laboratory
☐ Studio
☐ Discussion
☑ Multimedia
☐ Tutorial
☑ Independent Study
☐ Collaboratory Learning
☐ Demonstration
☐ Field Activities (Trips)
☐ Guest Speakers
☐ Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
California Integrated Mathematics 2	Required	Houghton Mifflin Harcourt Publishing Company	1	Print	Timothy D. Kanold	ISBN 9780544389885	2015

COURSE OUTLINE : ABSE 36
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : ABSE

COURSE NUMBER : 36

COURSE TITLE (FULL) : Integrated Mathematics 2B

COURSE TITLE (SHORT) : Integrated Mathematics 2B

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

ABSE 36 focuses on geometric proofs, transformations, and dilations; trigonometric solutions to right triangles; measuring circles and arcs; solving volume problems; applying the basics of probability. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics and to earn high school credit in mathematics.

CATALOG NOTES

This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of this course is worth 5 credits (1/2 unit) towards a high school diploma.

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours:0.00

Total Laboratory Hours: 100.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 100.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	ABSE - ABSE 35 - Integrated Mathematics 2A	Recommended Preparation	Added
and	ESL - 40 - ENGLISH AS A SECOND LANGUAGE LEVEL 4	Recommended Preparation	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ABSE	35	Integrated Mathematics 2A	Determine the domain, range, and end behavior of a function;	Yes
2	ABSE	35	Integrated Mathematics 2A	transform the graph of the function f(x);	Yes
3	ABSE	35	Integrated Mathematics 2A	solve absolute value equations and inequalities;	Yes
4	ABSE	35	Integrated Mathematics 2A	write a radical expression with a rational exponent;	Yes
5	ABSE	35	Integrated Mathematics 2A	add, subtract, and multiply monomials, binomials, and polynomials;	Yes
6	ABSE	35	Integrated Mathematics 2A	use the graph of a quadratic function to solve its related quadratic equation;	Yes
7	ABSE	35	Integrated Mathematics 2A	apply the Zero Product Property to solve quadratic equations in factored form;	Yes
8	ABSE	35	Integrated Mathematics 2A	choose a method for solving a given quadratic equation: factoring, using square roots, completing the square, etc.;	Yes
9	ABSE	35	Integrated Mathematics 2A	solve a system of equations when one equation is linear and the other is quadratic;	Yes
10	ABSE	35	Integrated Mathematics 2A	use the linear regression function on a graphing calculator to find the line of best fit for a two-variable data set;	Yes
11	ABSE	35	Integrated Mathematics 2A	utilize exponential functions to model the increase or decrease of a quantity over time;	Yes
12	ABSE	35	Integrated Mathematics 2A	determine whether a given data set is bet modeled by a linear, quadratic, or exponential function;	Yes
13	ABSE	35	Integrated Mathematics 2A	define a complex number and use them to solve addition, subtraction, and multiplication problems;	Yes
14	ABSE	35	Integrated Mathematics 2A	utilize the standard form for the equation of a circle;	Yes
15	ABSE	35	Integrated Mathematics 2A	apply the distance formula for deriving equations for both vertical and horizontal parabolas;	Yes

16	ABSE	35	Integrated Mathematics 2A	find the inverses of functions from their graphs;	Yes
17	ABSE	35	Integrated Mathematics 2A	graph transformations of parent square root functions and parent cube root functions;	Yes
18	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level;	Yes
19	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	write a three-paragraph composition that contains an introductory paragraph, a body, and a conclusion;	Yes
20	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	converse at a functional level adequate for everyday use on the campus and in the community;	Yes
21	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate understanding of the majority of face-to-face speech, recorded, and live dialogues in standard dialect at a normal rate, although some repetition may be required;	Yes
22	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	decode 3,000-word reading passages, identify main ideas and supporting details, make inferences, and summarize short passages;	Yes
23	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	approximate standard American pronunciation well enough to be understood by typical fluent speakers of English.	Yes

EXIT STANDARDS

1. Prove and use theorems about angles formed by transversals that intersect parallel lines;
2. find the equation of a line that is parallel or perpendicular to a given line;
3. use perpendicular bisectors to find the point that equidistant for all the vertices of a triangle;
4. prove conditions to show that a quadrilateral is a rectangle, rhombus, or a square;
5. verify experimentally the properties of dilations given by a center and a scale factor;
6. show the properties of similarity transformations to establish the AA criterion for two triangles to be similar;
7. use congruence and similarity criteria for triangles to solve problems and to prove relationships;

8. demonstrate how altitude to the hypotenuse of a right triangle help one use similar right triangles to solve problems;
9. use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems;
10. utilize the sine and cosine ratios, and their inverses, in calculations involving right triangles;
11. determine the measures of central angles and inscribed angles of a circle;
12. define the relationships between angles formed by lines that intersect a circle;
13. utilize formulas for the volume or a prism, cylinder and pyramid;
14. calculate the volumes of composite figure that include cones and spheres;
15. explain how sets and their relationships are used to calculate probabilities;
16. differentiate between independent, dependent and conditional probabilities;
17. describe how to use probabilities to make fair decisions.

STUDENT LEARNING OUTCOMES

1 Determine the methods for applying geometric proofs
2 Analyze various methods of measuring angles, triangles, circles, and arcs
3 Apply techniques of probability in decision making

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Proofs with Lines and Angles • Angles Formed by Intersecting Lines • Transversals and Parallel Lines • Proving Lines are Parallel • Perpendicular Lines	0	8	8

2	Proofs with Triangles and Quadrilaterals • Angles of a Triangle • Isosceles and Equilateral Triangles • Triangle Inequalities • Perpendicular Bisectors of Triangles • Angle Bisectors of Triangles • Properties of Parallelograms • Conditions for Special Quadrilaterals	0	17	17
3	Similarity and Transformations • Dilations • Proving Figures are Similar • Corresponding Parts of Similar Figures • AA Similarity of Triangles	0	8	8
4	Using Similar Triangles • Triangle Proportionality Theorem • Subdividing a Segment in a Given Ratio • Using Proportional Relationships • Similarity in Right Triangles	0	8	8
5	Trigonometry with Right Angles • Tangent Ratio Sine and Cosine Ratios • Special Right Triangles • Problem Solving with Trigonometry • Using a Pythagorean Identity	0	11	11
6	Angles in Circles • Central Angles and Inscribed Angles • Angles in Inscribed Quadrilaterals • Tangents and Circumscribed Angles • Segment Relationships in Circles • Angle Relationships in Circles	0	11	11
7	Arc Length and Sector Area • Justifying Circumference and Area of a Circle • Arc Length and Radian Measure • Sector Area	0	7	7

8	Volume Formulas • Volume of Prisms and Cylinders • Volume of Pyramids • Volume of Cones • Volume of Spheres • Scale Factor	0	11	11
9	Introduction to Probability • Probability and Set Theory • Permutations and Probability • Combinations and Probability • Mutually Exclusive and Overlapping Events	0	8	8
10	Conditional Probability and Independence of Events • Conditional Probability • Independent Events • Dependent Events	0	6	6
11	Probability and Decision Making • Using Probability to Make Fair Decisions • Analyzing Decisions	0	5	5
				100

OUT OF CLASS ASSIGNMENTS

1 Not Applicable

METHODS OF EVALUATION

1 individualized contract
2 assessments at the end of each chapter
3 unit exams

METHODS OF INSTRUCTION

- ☐ Lecture
- ☑ Laboratory
- ☐ Studio
- ☐ Discussion
- ☐ Multimedia
- ☑ Tutorial
- ☑ Independent Study
- ☐ Collaboratory Learning
- ☐ Demonstration
- ☐ Field Activities (Trips)
- ☐ Guest Speakers
- ☐ Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
California Integrated Mathematics 2	Required	Houghton Mifflin Harcourt Publishing Company	1	Print	Timothy D. Kanold	ISBN 9780544389885	2015

COURSE OUTLINE : ABSE 37
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : ABSE

COURSE NUMBER : 37

COURSE TITLE (FULL) : Integrated Mathematics 3A

COURSE TITLE (SHORT) : Integrated Mathematics 3A

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

ABSE 37 focuses on the integration of algebra and geometry through graphing representations and coordinate proofs. Student explore modeling in two and three dimensions; algebraic theorems; polynomial and rational functions, expressions and equations. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics and to earn high school credit in mathematics.

CATALOG NOTES

This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of this course is worth 5 credits (1/2 unit) towards a high school diploma.

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours:0.00

Total Laboratory Hours: 100.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 100.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	ABSE - ABSE 36 - Integrated Mathematics 2B	Recommended Preparation	Added
and	ESL - 40 - ENGLISH AS A SECOND LANGUAGE LEVEL 4	Recommended Preparation	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ABSE	36	Integrated Mathematics 2B	Prove and use theorems about angles formed by transversals that intersect parallel lines;	Yes
2	ABSE	36	Integrated Mathematics 2B	find the equation of a line that is parallel or perpendicular to a given line;	Yes
3	ABSE	36	Integrated Mathematics 2B	use perpendicular bisectors to find the point that equidistant for all the vertices of a triangle;	Yes
4	ABSE	36	Integrated Mathematics 2B	prove conditions to show that a quadrilateral is a rectangle, rhombus, or a square;	Yes
5	ABSE	36	Integrated Mathematics 2B	verify experimentally the properties of dilations given by a center and a scale factor;	Yes
6	ABSE	36	Integrated Mathematics 2B	show the properties of similarity transformations to establish the AA criterion for two triangles to be similar;	Yes
7	ABSE	36	Integrated Mathematics 2B	use congruence and similarity criteria for triangles to solve problems and to prove relationships;	Yes
8	ABSE	36	Integrated Mathematics 2B	demonstrate how altitude to the hypotenuse of a right triangle help one use similar right triangles to solve problems;	Yes
9	ABSE	36	Integrated Mathematics 2B	use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems;	Yes
10	ABSE	36	Integrated Mathematics 2B	utilize the sine and cosine ratios, and their inverses, in calculations involving right triangles;	Yes
11	ABSE	36	Integrated Mathematics 2B	determine the measures of central angles and inscribed angles of a circle;	Yes
12	ABSE	36	Integrated Mathematics 2B	define the relationships between angles formed by lines that intersect a circle;	Yes
13	ABSE	36	Integrated Mathematics 2B	utilize formulas for the volume or a prism, cylinder and pyramid;	Yes

14	ABSE	36	Integrated Mathematics 2B	calculate the volumes of composite figure that include cones and spheres;	Yes
15	ABSE	36	Integrated Mathematics 2B	explain how sets and their relationships are used to calculate probabilities;	Yes
16	ABSE	36	Integrated Mathematics 2B	differentiate between independent, dependent and conditional probabilities;	Yes
17	ABSE	36	Integrated Mathematics 2B	describe how to use probabilities to make fair decisions;	Yes
18	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level;	Yes
19	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	write a three-paragraph composition that contains an introductory paragraph, a body, and a conclusion;	Yes
20	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	converse at a functional level adequate for everyday use on the campus and in the community;	Yes
21	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate understanding of the majority of face-to-face speech, recorded, and live dialogues in standard dialect at a normal rate, although some repetition may be required;	Yes
22	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	decode 3,000-word reading passages, identify main ideas and supporting details, make inferences, and summarize short passages;	Yes
23	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	approximate standard American pronunciation well enough to be understood by typical fluent speakers of English.	Yes

EXIT STANDARDS

1. Use slope to solve problems involving parallel and perpendicular lines;
2. write a coordinate proof;
3. use slope and the distance formula in coordinate proofs;
4. find the surface area of a prism or cylinder;

5. use the formula for the surface area of a sphere to calculate the surface areas of composite figures;
6. define and describe inverse functions;
7. explain how the Binomial Theorem is useful;
8. find the rational roots of a polynomial equation;
9. identify the features of a graph of rational functions;
10. add, subtract, multiply and divide rational expressions;
11. find the inverses of quadratic function and cubic functions;
12. simplify expressions containing rational exponents and radicals involving nth roots;
13. solve equations involving square roots and cube roots.

STUDENT LEARNING OUTCOMES

1 Interpret polynomial, radical and rational functions using various representations

2 Model real-world applications of surface area, composite figures, and density

3 Explain the reasoning of and solutions for radical and rational equations

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Constructions • Proving Lines are Parallel • Perpendicular Lines • Justifying Constructions • Properties of Parallelograms	0	10	10
2	Coordinate Proof Using Slope and Distance • Slope and Parallel Lines • Slope and Perpendicular Lines • Coordinate Proof Using Distance with Segments and Triangles • Coordinate Proof Using Distance with Quadrilaterals • Perimeter and Area on the Coordinate Plane • Subdividing Segment in a Given Ratio	0	15	15

3	Visualizing Solids • Cross Sections and Solids of Rotation • Surface Area of Prisms and Cylinders • Surface Area of Pyramids and Cones • Surface Area of Spheres	0	10	10
4	Modeling and Problem Solving • Scale Factor • Modeling and Density • Problem Solving with Constraints	0	8	8
5	Polynomial Functions • Transformations of Function Graphs • Inverses of Functions • Graphing Cubic Functions • Graphing Polynomial Functions	0	10	10
6	Polynomials • Adding and Subtracting Polynomials • Multiplying Polynomials • The Binomial Theorem • Factoring Polynomials • Dividing Polynomials	0	12	12
7	Polynomial Equations • Finding Rational Solutions of Polynomial Equations • Finding Complex Solutions of Polynomial Equations	0	5	5
8	Rational Functions • Graphing Simple Rational Functions • Graphing More Complicated Rational Functions	0	5	5
9	Rational expressions and Equations • Adding and Subtracting Rational Expressions • Multiplying and Dividing Rational Expressions • Solving Rational Equations	0	8	8

10	Radical Functions • Inverses of Simple Quadratic and Cubic Functions • Graphing Square Root Functions • Graphing Cube Root Functions	0	8	8
11	Radical Expressions and Equations • Radical Expressions and Rational Exponents • Simplifying Radical Expressions • Solving Radical Equations	0	9	9
				100

OUT OF CLASS ASSIGNMENTS

1 Not Applicable

METHODS OF EVALUATION

1 individualized contract
2 assessments at the end of each chapter
3 unit exams

METHODS OF INSTRUCTION

☐ Lecture
☑ Laboratory
☐ Studio
☐ Discussion
☐ Multimedia
☑ Tutorial
☑ Independent Study
☐ Collaboratory Learning
☐ Demonstration
☐ Field Activities (Trips)
☐ Guest Speakers
☐ Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
California Integrated Mathematics 3	Required	Houghton Mifflin Harcourt Publishing Company	1	Print	TIMOTHY D. KANOLD	ISBN 9780544389885	2015

COURSE OUTLINE : ABSE 38
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : ABSE

COURSE NUMBER : 38

COURSE TITLE (FULL) : Integrated Mathematics 3B

COURSE TITLE (SHORT) : Integrated Mathematics 3B

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

ABSE 38 focuses on the integration of algebra and geometry through examining the mathematical measures of circles. Student also explore geometric and logarithmic sequences, as well as statistical measures. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics and to earn high school credit in mathematics.

CATALOG NOTES

This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of this course is worth 5 credits (1/2 unit) towards a high school diploma.

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours:0.00

Total Laboratory Hours: 100.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 100.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	ABSE - 37 - Integrated Mathematics 3A	Recommended Preparation	Added
and	ESL - 40 - ENGLISH AS A SECOND LANGUAGE LEVEL 4	Recommended Preparation	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ABSE	37	Integrated Mathematics 3A	Use slope to solve problems involving parallel and perpendicular lines;	Yes
2	ABSE	37	Integrated Mathematics 3A	write a coordinate proof;	Yes
3	ABSE	37	Integrated Mathematics 3A	use slope and the distance formula in coordinate proofs;	Yes
4	ABSE	37	Integrated Mathematics 3A	find the surface area of a prism or cylinder;	Yes
5	ABSE	37	Integrated Mathematics 3A	use the formula for the surface area of a sphere to calculate the surface areas of composite figures;	Yes
6	ABSE	37	Integrated Mathematics 3A	define and describe inverse functions;	Yes
7	ABSE	37	Integrated Mathematics 3A	explain how the Binomial Theorem is useful;	Yes
8	ABSE	37	Integrated Mathematics 3A	find the rational roots of a polynomial equation;	Yes
9	ABSE	37	Integrated Mathematics 3A	identify the features of a graph of rational functions;	Yes
10	ABSE	37	Integrated Mathematics 3A	add, subtract, multiply and divide rational expressions;	Yes
11	ABSE	37	Integrated Mathematics 3A	find the inverses of quadratic function and cubic functions;	Yes
12	ABSE	37	Integrated Mathematics 3A	simplify expressions containing rational exponents and radicals involving nth roots;	Yes
13	ABSE	37	Integrated Mathematics 3A	solve equations involving square roots and cube roots;	Yes
14	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level;	Yes
15	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	write a three-paragraph composition that contains an introductory paragraph, a body, and a conclusion;	Yes

16	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	converse at a functional level adequate for everyday use on the campus and in the community;	Yes
17	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	demonstrate understanding of the majority of face-to-face speech, recorded, and live dialogues in standard dialect at a normal rate, although some repetition may be required;	Yes
18	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	decode 3,000-word reading passages, identify main ideas and supporting details, make inferences, and summarize short passages;	Yes
19	ESL	40	ENGLISH AS A SECOND LANGUAGE LEVEL 4	approximate standard American pronunciation well enough to be understood by typical fluent speakers of English.	Yes

EXIT STANDARDS

1. Define an arithmetic and a geometric sequence;
2. model the value of an investment that earns compound interest;
3. identify the properties of logarithms;
4. use trigonometric ratios to find side lengths and angle measures of right and non-right triangles;
5. define the relationship between the unit circle and radian measure;
6. identify the key features of the graphs of the sine, cosine and tangent functions;
7. choose which measures of center and spread are appropriate for a normal distribution, and which are appropriate for a skewed distribution;
8. calculate a confidence interval and a margin of error for a population proportion or population mean;
9. determine the measures of central angles and inscribed angles of a circle;
10. identify the key theorems about tangents to a circle;
11. calculate the length of an arc;
12. find the area of a sector of a circle;
13. write the equation of a parabola that opens up or down given its focus and directrix.

STUDENT LEARNING OUTCOMES

1 Build exponential and logarithmic functions that model relationships between two quantities

2 Provide mathematical justification for conclusions from sample surveys, experiments, and observational studies.

3 Explain the key theorems about tangents to a circle

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Sequence and Series • Arithmetic Sequences • Geometric Sequences • Geometric Series	0	7	7
2	Exponential Functions • Exponential Growth Functions • Exponential Decay Functions • The Base e • Compound Interest	0	9	9
3	Modeling with Exponential and Other Functions • Fitting Exponential Functions to Data • Choosing Among Linear, Quadratic, and Exponential Models	0	5	5
4	Logarithmic Functions • Defining and Evaluating a Logarithmic Function • Graphing Logarithmic Functions	0	5	5
5	Logarithmic Properties and Exponential Equations • Properties of Logarithms • Solving Exponential Equations	0	5	5
6	Trigonometry with all Triangles • Problem Solving with Trigonometry • Law of Sines • Law of Cosines	0	7	7

7	Unit-Circle Definition of Trigonometric Functions • Angles of Rotation and Radian Measure • Defining and Evaluating the Basic Trigonometric Functions • Using a Pythagorean Identity	0	7	7
8	Graphing Trigonometric Functions • Stretching, Compressing, and Reflecting Sine and Cosine Graphs • Stretching, Shrinking, and Reflecting Tangent Graphs • Translating Trigonometric Graphs • Fitting Sine Functions to Data	0	9	9
9	Gathering and Displaying Data • Data-Gathering Techniques • Shape, Center, and Spread	0	4	4
10	Data Distributions • Probability Distributions • Normal Distributions • Sampling Distributions	0	6	6
11	Making Inferences from Data • Confidence Intervals and Margins of Error • Surveys, Experiments, and Observational Studies • Determining the Significance of Experimental Results	0	7	7
12	Probability and Decision Making • Using Probability to Make Fair Decisions • Analyzing Decisions	0	5	5
13	Angles in Circles • Central Angles and Inscribed Angles • Angles in Inscribed Quadrilaterals • Tangents and Circumscribed Angles • Segment Relationships in Circles • Angle Relationships in Circles	0	12	12

14	Arc Length and Sector Area • Justifying Circumference and Area of a Circle • Arc Length and Radian Measure • Sector Area	0	7	7
15	Equations of Conics • Equation of a Circle • Equation of a Parabola	0	5	5
				100

OUT OF CLASS ASSIGNMENTS

1 Not Applicable

METHODS OF EVALUATION

1 individualized contract
2 assessments at the end of each chapter
3 unit exams

METHODS OF INSTRUCTION

☐ Lecture
☑ Laboratory
☐ Studio
☐ Discussion
☐ Multimedia
☑ Tutorial
☑ Independent Study
☐ Collaboratory Learning
☐ Demonstration
☐ Field Activities (Trips)
☐ Guest Speakers
☐ Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
California Integrated Mathematics 3	Required	Houghton Mifflin Harcourt Publishing Company	1	Print	Timothy D. Kanold	ISBN 9780544389885	2015

COURSE OUTLINE : NS 277
C Credit – Not Degree Applicable
COURSE ID

PROPOSAL

COURSE DISCIPLINE : NS

COURSE NUMBER : 277

COURSE TITLE (FULL) : Critical Care Specialty Nursing

COURSE TITLE (SHORT) : CCSN

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

NS 277 focuses on a comprehensive range of nursing knowledge of the adult patient in need of critical care. The nurse will acquire evidence-based knowledge, skills and attitude to adequately and competently provide high-quality and safe patient care in the critical care setting. The nurse will utilize all appropriate technologies while incorporating psychosocial and other holistic approaches as needed to the situation and the condition of the patient. In addition, the nurse will learn dependent and independent nursing actions and work collaboratively with the interdisciplinary healthcare team.

CATALOG NOTES

Applicant should be a Licensed Registered Nurse (RN) by the California Board of Registered Nursing (BRN) and carry a Basic Life Support (BLS) certificate. One year of RN experience in medical-surgical care, telemetry, or on a step down unit within the last two years, or recommendation from current hospital employer.

Total Lecture Units:3.00

Total Laboratory Units: 0.50

Total Course Units: 3.50

Total Lecture Hours:54.00

Total Laboratory Hours: 27.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 81.00

Recommended Preparation: N/A

Entry Standards

	Subject	Number	Title	Description	Include
1				Utilize the nursing process as a framework in providing care for the client/family with unmet needs;	Yes
2				assess, analyze and address the biological, cultural, spiritual, environmental, and socioeconomic realms, and the impact they exert on the acute care clients and family;	Yes
3				calculate and administer medications of all routes accurately as prescribed by the healthcare providers;	Yes
4				document and communicate nursing care activities and client responses to the plan of care utilizing Quality and Safety Education for Nurses (QSEN) competencies.	Yes

EXIT STANDARDS

1. Identify environmental factors influencing the role of the critical care nurse and implement evidence-based care strategies to prevent hospital-associated infections and complications;

2. Analyze pathophysiological behaviors of the major body systems and incorporate assessment findings and patient responses into the delivery of patient care.

3. Recognize signs and symptoms of common conditions experienced by acutely ill patients requiring critical care nursing.

4. Apply bio-cultural, psychosocial, and other holistic approaches in diverse population to make accurate assessment and plan interventions as appropriate to the time and condition of the patient.

5. Evaluate assessment data, and determine priority interventions for patients with critical illness.

6. Perform various monitoring modalities in evaluating patient progress and making patient care decisions.

7. Anticipate potential complications, and take steps to prevent them by applying treatment protocols based on critical care policies, procedures and professional standards.

8. Assess the effectiveness of pharmacological and non-pharmacological interventions for patients experiencing critical illness.

9. Develop a collaborative and collegial working relationship with other healthcare team members.

10. Identify ethical dilemmas and legal issues related to critical care nursing.

11. Develop constructive personal coping behaviors when functioning as a critical care nurse.

STUDENT LEARNING OUTCOMES

1 Provide comprehensive nursing care for critically ill patient populations with complex illness(es)
2 Integrate critical knowledge, skill, and attitude in the nursing process.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Foundations to critical care nursing • Critical care nursing practice • Ethical issues • Legal issues • Patient and family education • Psycho-social alterations and management • Nutrition alterations and management • Pain and pain management • Sedation, agitation, delirium management • End-of-life care	4	3	7
2	Cardiovascular alterations • Cardiovascular anatomy and physiology • Cardiovascular clinical assessment • Cardiovascular diagnostic procedures • Cardiovascular disorders • Cardiovascular therapeutic management	8	3	11
3	Pulmonary alterations • Pulmonary anatomy and physiology • Pulmonary clinical assessment • Pulmonary diagnostic procedures • Pulmonary disorders • Pulmonary therapeutic management	8	3	11
4	Neurological alterations • Neurological anatomy and physiology • Neurological clinical assessment and diagnostic procedures • Neurological disorders and therapeutic management	8	4	12

5	Kidney alterations • Kidney anatomy and physiology • Kidney clinical assessment and diagnostic procedures • Kidney disorders and therapeutic management .	5	3	8
6	Gastrointestinal alterations • Gastrointestinal anatomy and physiology • Gastrointestinal clinical assessment and diagnostic procedures • Gastrointestinal disorders and therapeutic management	5	3	8
7	Endocrine alterations • Endocrine anatomy and physiology • Endocrine clinical assessment and diagnostic procedures • Endocrine disorders and therapeutic management	4	3	7
8	Multi-system alterations • Trauma • Shock, sepsis, and multiple organ dysfunction syndrome • Burns • Organ donation and transplantation • Hematologic and oncologic emergencies	8	4	12
9	Special populations • Older adult patient • Peri-anesthesia patient	4	1	5
				81

OUT OF CLASS ASSIGNMENTS

1 Simulated case studies (eg: patients with multiple morbidities) in small groups with class presentations.

METHODS OF EVALUATION

1 Weekly quizzes;

2 electrocardiogram (ECG) examination (e.g. interpreting ECG rhythm strips);

3 final comprehensive examination.

METHODS OF INSTRUCTION

- [x] Lecture
- [x] Laboratory
- [ ] Studio
- [x] Discussion
- [ ] Multimedia
- [ ] Tutorial
- [ ] Independent Study
- [ ] Collaboratory Learning
- [ ] Demonstration
- [ ] Field Activities (Trips)
- [ ] Guest Speakers
- [x] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
ECGs Made Easy		Elsevier	6		Aehlert, Barbara	978-0-323401302	2018
Critical Care Nursing: Diagnosis and Management		Elsevier	8		Urden, Linda Diann	978-0-323-44752-2	2018

COURSE OUTLINE : PE 256
D Credit – Degree Applicable
COURSE ID

PROPOSAL

COURSE DISCIPLINE : PE

COURSE NUMBER : 256

COURSE TITLE (FULL) : Pickleball I

COURSE TITLE (SHORT) : Pickleball I

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

PE 256 covers the beginning concepts of pickleball. Emphasis is placed on fundamental skills including rules, terminology, and court etiquette. Instruction is given on basic strokes: forehand, backhand, volley and serve.

CATALOG NOTES

None

Total Lecture Units:0.00

Total Laboratory Units: 1.00

Total Course Units: 1.00

Total Lecture Hours:0.00

Total Laboratory Hours: 54.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 54.00

Recommended Preparation: None

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1				Identify pickleball as a sport;	Yes
2				perform moderate daily physical activities;	Yes
3				participate in an individual and group environment;	Yes
4				demonstrate and maintain a positive attitude.	Yes

EXIT STANDARDS

1 Demonstrate proper grip, mechanics and execution of forehand and backhand groundstrokes;
2 demonstrate proper technique for service and return of serve;
3 demonstrate proper technique for forehand and backhand volley;
4 demonstrate understanding of court areas, rules and scoring;
5 describe basic singles and doubles strategy;

STUDENT LEARNING OUTCOMES

1 Identify and perform basic pickleball strokes;
2 Identify the basic rules, terminology, equipment and etiquette of pickleball;
3 Demonstrate and apply safety rules and procedures to effectively participate in a physical movement environment.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	History of Pickleball	0	3	3
2	Forehand Groundstroke • Purpose • Grip • Stance and footwork • Swing • Drills	0	9	9

3	Backhand Groundstroke • Purpose • Grip • Stance and footwork • Swing • Drills	0	8	8
4	Service • Serving • Grip • Stance and footwork • Swing • Return of service • Drills	0	8	8
5	Volley • Forehand volley • Backhand volley • Non-volley zone • Drills	0	2	2
6	Rules, Etiquette, and Strategy of Pickleball • Vocabulary • Court • Equipment • Rules and regulations • Scoring • Doubles and singles strategy • Court etiquette	0	12	12
7	Tournament Play • Singles • Doubles • Mixed doubles	0	12	12
				54

OUT OF CLASS ASSIGNMENTS

1 self evaluation (e.g. written evaluation of goal setting and performance in practice and tournaments)
2 written analysis (e.g. summary of the physical and emotional benefits of pickleball)

METHODS OF EVALUATION

1 practical examination (e.g. skills test)
2 written final examination
3 participation in class tournament
4 participation in local pickleball tournament

METHODS OF INSTRUCTION

- [ ] Lecture
- [x] Laboratory
- [ ] Studio
- [x] Discussion
- [x] Multimedia
- [x] Tutorial
- [ ] Independent Study
- [x] Collaboratory Learning
- [x] Demonstration
- [x] Field Activities (Trips)
- [x] Guest Speakers
- [x] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
USAPA & IFP OFFICIAL TOURNAMENT RULEBOOK	Supplemental	https://www.usapa.org/docs/ifp/USAPA-Rulebook.pdf			USA Pickleball Association and International Pickleball Association		2019

COURSE OUTLINE : PE 257
D Credit – Degree Applicable
COURSE ID

PROPOSAL

COURSE DISCIPLINE : PE

COURSE NUMBER : 257

COURSE TITLE (FULL) : Pickleball II

COURSE TITLE (SHORT) : Pickleball II

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

PE 257 builds on fundamental knowledge of pickleball rules, etiquette, basic skills, strokes, footwork, scoring and strategy. Emphasis is on intermediate skills development including: the dink, dropshot, lob, overhead smash and shot placement.

CATALOG NOTES

None

Total Lecture Units:0.00

Total Laboratory Units: 1.00

Total Course Units: 1.00

Total Lecture Hours:0.00

Total Laboratory Hours: 54.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 54.00

PRECONDITIONS FOR ENROLLMENT

And/Or	Course	Type	Req. Is Being
	PE - 256 - Pickleball I	Prerequisite	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	PE	256	Pickleball I	Demonstrate proper grip, mechanics and execution of forehand and backhand groundstrokes;	Yes
2	PE	256	Pickleball I	demonstrate proper technique for service and return of serve;	Yes
3	PE	256	Pickleball I	demonstrate proper technique for forehand and backhand volley;	Yes
4	PE	256	Pickleball I	demonstrate understanding of court areas, rules and scoring;	Yes
5	PE	256	Pickleball I	describe basic singles and doubles strategy.	Yes

EXIT STANDARDS

1. Apply proper mechanics of the forehand and backhand groundstrokes, basic service and volley;
2. demonstrate the proper techniques of hitting dinks, drop shots, lobs and overhead smashes;
3. demonstrate footwork skills through drills and practice;
4. apply knowledge of court layout, terminology, rules and etiquette to effectively participate in match and tournament play;
5. apply basic singles and doubles strategy to game situations.

STU DENT LEARNING OUTCOMES

1 Demonstrate and apply safety rules and procedures to effectively participate in a physical movement environment;
2 Apply rules, terminology, etiquette, warm-up and cool-down strategies and safely use equipment for pickleball game-play;
3 Identify and perform variations of the fundamental strokes of pickleball during game situations.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Review of Fundamental Strokes • Forehand • Backhand • Service • Volley	0	10	10
2	Review of Rules and Strategies • Court layout, scoring and rules • Singles strategies • Doubles strategies	0	8	8
3	Dinks • Purpose • Grip • Stance • Footwork • Stroke • Drills	0	6	6
4	Drop Shots • Purpose • Grip • Stance • Footwork • Stroke • Drills	0	6	6
5	Lobs • Purpose • Grip • Stance • Footwork • Stroke • Drills	0	6	6

6	Overhead Smash • Purpose • Grip • Stance • Footwork • Stroke • Drills	0	6	6
7	Match Play • Warm-up strategies • Cool-down strategies • Game situations • Tournament design and play	0	12	12
				54

OUT OF CLASS ASSIGNMENTS

1 self evaluation (e.g. written evaluation of goal performance in tournaments and competition)
2 written analysis (e.g. summary and examination of rules, terminology, and court etiquette)

METHODS OF EVALUATION

1 practical examination (e.g. skills test)
2 written final examination
3 participation in class tournament
4 participation in local tournaments

METHODS OF INSTRUCTION

☐ Lecture
☑ Laboratory
☐ Studio
☑ Discussion
☑ Multimedia
☑ Tutorial
☐ Independent Study
☐ Collaboratory Learning

- [x] Demonstration
- [x] Field Activities (Trips)
- [x] Guest Speakers
- [x] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
USAPA & IFP OFFICIAL TOURNAMENT RULEBOOK	Supplemental	https://www.usapa.org/docs/ifp/USAPA-Rulebook.pdf			USA Pickleball Association and International Pickleball Association		2019

COURSE OUTLINE : PE 258
D Credit – Degree Applicable
COURSE ID

PROPOSAL

COURSE DISCIPLINE : PE

COURSE NUMBER : 258

COURSE TITLE (FULL) : Pickleball III

COURSE TITLE (SHORT) : Pickleball III

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

PE 258 offers instruction and practice in advanced pickleball techniques, strategy and conditioning. Emphasis is on mastering basic and intermediate techniques and integrating them into game strategies and match play.

CATALOG NOTES

None

Total Lecture Units:0.00

Total Laboratory Units: 1.00

Total Course Units: 1.00

Total Lecture Hours:0.00

Total Laboratory Hours: 54.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 54.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	PE - 257 - Pickleball II	Prerequisite	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	PE	257	Pickleball II	Apply proper mechanics of the forehand and backhand groundstrokes, basic service and volley;	Yes
2	PE	257	Pickleball II	demonstrate the proper techniques of hitting dinks, drop shots, lobs and overhead smashes;	Yes
3	PE	257	Pickleball II	demonstrate footwork skills through drills and practice;	Yes
4	PE	257	Pickleball II	apply knowledge of court layout, terminology, rules and etiquette to effectively participate in match and tournament play;	Yes
5	PE	257	Pickleball II	apply basic singles and doubles strategy to game situations.	Yes

EXIT STANDARDS

1 Demonstrate mastery of fundamental and intermediate pickleball skills;

2 utilize a variety of drills for skill mastery and conditioning;

3 apply advanced methods of pickleball skills and game strategy to match play;

4 demonstrate ability to evaluate opponents and change game strategy in match play situations.

STUDENT LEARNING OUTCOMES

1 Demonstrate and apply safety rules and procedures to effectively participate in a physical movement environment;

2 Develop and apply advanced strategies of pickleball to practice and game-play;

3 Integrate variations of the fundamental strokes of pickleball and apply their proper use during game situations.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Review of Fundamental and Intermediate Strokes • Forehand • Backhand • Service • Volley • Dink • Drop shot • Lob • Overhead smash	0	12	12
2	Review of Rules and Strategies • Court layout, scoring and rules • Singles strategies • Doubles strategies • Game situations, line-calling and rules interpretation	0	8	8
3	Advanced Strokes • Half-volley • Adding spin to groundstrokes • Strategic placement and accuracy of groundstrokes and volleys • Drills	0	12	12
4	Advanced Game Strategies • Shot selection and variance • Identifying opponent weaknesses • Capitalizing on opponent errors • Minimizing unforced errors • Advanced strategies for singles, doubles and mixed doubles	0	10	10

5	Match/Tournament Play • Review of warm-up and cool-down strategies • Nutrition/hydration issues • Tournament design and administration	0	6	6
6	Conditioning • Identifying requisite skill-related components of fitness • Injury prevention • Drills	0	6	6
				54

OUT OF CLASS ASSIGNMENTS

1 self evaluation (e.g. written evaluation of goal performance in tournaments and competition)
2 written analysis (e.g. summary and examination of rules, terminology, and court etiquette)

METHODS OF EVALUATION

1 practical examination (e.g. skills test)
2 written final examination
3 participation in class tournament
4 participation in local tournaments

METHODS OF INSTRUCTION

☐ Lecture
☑ Laboratory
☐ Studio
☑ Discussion
☑ Multimedia
☑ Tutorial
☐ Independent Study
☐ Collaboratory Learning
☑ Demonstration
☑ Field Activities (Trips)

☑ Guest Speakers
☑ Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
USAPA & IFP OFFICIAL TOURNAMENT RULEBOOK	Supplemental	https://www.usapa.org/docs/ifp/USAPA-Rulebook.pdf			USA Pickleball Association and International Pickleball Association		2019

COURSE OUTLINE : STV 60
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : STV

COURSE NUMBER : 60

COURSE TITLE (FULL) : Pathways to Health Careers

COURSE TITLE (SHORT) : Pathways to Health Careers

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID : N/A

CATALOG DESCRIPTION

STV 60 is designed to give those students interested in health careers the opportunity to explore the basic concepts surrounding professions related to this field. Some of the basic concepts encompassed in this course include roles in health careers, having compassion for individuals in other cultures, and customer/patient service.

CATALOG NOTES: None

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours:0.00

Total Laboratory Hours: 64.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 64.00

PRECONDITIONS FOR ENROLLMENT

And/Or	Course	Type	Req. Is Being
	ESL - 30 - ENGLISH AS A SECOND LANGUAGE LEVEL 3	Recommended Preparation	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	Write paragraphs at the low-intermediate level with sufficient unity;	Yes
2	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	develop coherence and mechanical accuracy;	Yes
3	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level;	Yes
4	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	converse at a functional level adequate for everyday use on the campus and in the community;	Yes
5	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	respond to questions about recorded and live speeches, dialogues, role plays, and lectures;	Yes
6	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	decode 2,500-word reading passages,, respond to inference and recall questions, and utilize a monolingual English dictionary to advantage.	Yes

EXIT STANDARDS

1 Identify essential qualities of a healthcare worker;
2 describe the healthcare industry today;
3 compare careers within the health science career pathways;
4 classify the personal traits or attitudes desirable in a member of the healthcare team;
5 demonstrate respectful and empathetic treatment of all patients/clients (customer service);
6 identify records and files common to the healthcare setting;
7 explain principles of infection control;

8 apply personal safety procedures.

STUDENT LEARNING OUTCOMES

1 Describe the nine healthcare occupations and the skills and knowledge required for each.
2 Apply job search skills to the healthcare professions.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Overview of Healthcare Careers • Identify essential qualities of a healthcare worker • Examine basic professional standards of healthcare workers? • Apply employ-ability skills and exemplify professional characteristics • Discuss levels of education, credentialing requirements, and employment trends in healthcare	0	5	5
2	Administrative Medical Assistant—Front Office • Medical front office duties • Medical terminology • Customer service etiquette and issues • Basic Billing and transcription • Medical office software	0	6	6
3	Administrative Dental Assistant • Dental front office duties • Dental terminology • Customer service etiquette and issues • Basic billing and transcription • Dental office software	0	6	6

4	Medical Assistant—Front and Back Office • Administrative and clinical office procedures • Recording patient medical history • Taking and documenting vital signs • Basic understanding human physiology and anatomy • Laboratory procedures	0	6	6
5	Home Caregiver/Aide • Home care industry • Managing a healthy, sanitary environment • Home care procedures • Working with ill, disabled, and elderly clients	0	5	5
6	Certified Nursing Assistant (CNA) • Assisting licensed practicing nurses (LPN) and registered nurses (RNs) • Duties of a CNA • Infection control • CPR, First Aid and AED usage • Teamwork in the workplace	0	6	6
7	Home Health Aide • CNA certification • Home care record keeping • Assisting with physical therapy • Administering medications • Collaboration with other health care givers	0	5	5
8	Acute Care • Short-term health services • Stabilizing during medical emergencies, illnesses, or accidents • Pediatric and adult • Hospitals, rehabilitation facilities, urgent care clinics, birthing centers, and other healthcare environments • Patient advocacy	0	6	6

9	Emergency Medical Services • Emergency medical care • Management of immediate life-threatening situations and emergencies • Clinical and ride-along • Certifications	0	5	5
10	GCC Registered Nursing Program • Prerequisites • Duties and responsibilities • Common types of nursing, such as critical care, pediatrics, cardiac, etc. • Career Ladder: Licensed Vocational Nurse (LVN) to Registered Nurse (RN) • Foreign Nurse Graduate • RN program transfer	0	9	9
11	Professional Skills • Career development, choosing the right pathway for you • Program completion and certification • Continuing education • Resumes, interviews, job searches • Future healthcare career possibilities	0	5	5
				64

OUT OF CLASS ASSIGNMENTS

1 Not Applicable

METHODS OF EVALUATION

1 Portfolio assessment (featuring 3 health related careers of choice)

METHODS OF INSTRUCTION

☑ Lecture
☑ Laboratory
☐ Studio

- [x] Discussion
- [x] Multimedia
- [ ] Tutorial
- [ ] Independent Study
- [x] Collaboratory Learning
- [ ] Demonstration
- [x] Field Activities (Trips)
- [x] Guest Speakers
- [x] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
Top 100 Health-Care Careers: Your Complete Guidebook to Training and Jobs in Allied Health, Nursing, Medicine and More.	Required	JIST Publishing	3	electronic book	Wischnitzer, Dr Saul.	9781593578367 1593578369	2014
Workbook for Health Careers Today	Required	St. Louis, Missouri : Elsevier	6	Print	Judith Gerdin	9780323280655	2017

COURSE OUTLINE : STV 64
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : STV

COURSE NUMBER : 64

COURSE TITLE (FULL) : Home Caregiver/Aide

COURSE TITLE (SHORT) : Home Caregiver/Aide

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID : N/A

CATALOG DESCRIPTION

STV 64 provides workforce preparation for personal care assistance in the home. This course is specifically for noncredit students who are seeking training in the health field for immediate entrylevel employment. Furthermore, this course will also provide foundational health skills for students to enter into more advanced health career programs.

CATALOG NOTES: None

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours:0.00

Total Laboratory Hours: 96.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 96.00

PRECONDITIONS FOR ENROLLMENT

And/Or	Course	Type	Req. Is Being
	ESL - 30 - ENGLISH AS A SECOND LANGUAGE LEVEL 3	Recommended Preparation	Reviewed

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	Write paragraphs at the low-intermediate level with sufficient unity;	Yes
2	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	develop coherence and mechanical accuracy;	Yes
3	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level;	Yes
4	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	converse at a functional level adequate for everyday use on the campus and in the community;	Yes
5	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	respond to questions about recorded and live speeches, dialogues, role plays, and lectures;	Yes
6	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	decode 2,500-word reading passages,, respond to inference and recall questions, and utilize a monolingual English dictionary to advantage.	Yes

EXIT STANDARDS

Explain the qualities of a direct-care worker;

1. discuss the necessity of teamwork and professionalism in home healthcare settings;
2. apply infection control precautions and strategies;
3. demonstrate good body mechanics when lifting and positioning a person or object;
4. display knowledge of body systems;
5. demonstrate knowledge of common diseases;
6. practice awareness of and empathy towards showing signs of age and non-age related disabilities;
7. display proper communication skills towards persons who are aging or disabled;
8.

9. exhibit methods of assisting persons who are aging or disabled with activities necessary for daily living;
10. demonstrate bed, bath, and overall body care of patients;
11. display knowledge of working with patients who have Alzheimer's Disease;
12. recognize signs of depression in a patient and recommend options and solutions;
13. recognize abuse and neglect, and show knowledge of reporting incidents;
14. show awareness of consumer and worker rights.

STUDENT LEARNING OUTCOMES

1 Pass a cumulative course exam with 80% or higher

2 Demonstrate proficiency in personal care tasks, such as bed making, bathing, etc. done in a model clinical setting;

3 Model effective communication skills needed by personal care aides through role-play in a model clinical setting.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Orientation to Home Care • Learning about home care • The home care industry • Developing effective communication skills • Understanding the client's needs • Understanding body systems • Observing, reporting, and recording • Working with ill and disabled clients	0	25	25
2	Managing the Home Environment • Maintaining a safe environment • Maintaining a sanitary environment • Meeting the client's nutritional needs	0	12	12

3	Home Care Procedures • Preventing infection/medical asepsis • Body mechanics • Bed making • Personal care • Elimination • Collecting specimens • Measuring vital signs • Special procedures	0	28	28
4	Meeting the Client's Special Needs • Caring for older adults • Caring for mothers, infants, and children • Caring for clients with mental illness • Caring for clients with illnesses requiring home care • Caring for the client at the end of life • Emergencies	0	21	21
5	Professional Skills • Career development • Certification • Continuing education	0	10	10
				96

OUT OF CLASS ASSIGNMENTS

1 Not Applicable

METHODS OF EVALUATION

1 Completion of skills checklists
2 Observation and discussion of demonstrations
3 Cumulative course exam

METHODS OF INSTRUCTION

☑ Lecture
☑ Laboratory
☐ Studio

- [x] Discussion
- [x] Multimedia
- [ ] Tutorial
- [ ] Independent Study
- [x] Collaboratory Learning
- [x] Demonstration
- [ ] Field Activities (Trips)
- [ ] Guest Speakers
- [x] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
Mosby's Textbook for the Home Care Aide	Required	Mosby	3	Print	Joan Birchenall	9780323084338	2012

COURSE OUTLINE : STV 65
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : STV

COURSE NUMBER : 65

COURSE TITLE (FULL) : Basic Review for California Certified Medical Assistant

COURSE TITLE (SHORT) : Basic Review for California Certified Medical Assistant

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID : N/A

CATALOG DESCRIPTION

STV 65 provides basic review for those students interested in taking the California Certified Medical Assistant Examination. This course covers the basic, clinical specialty, and administrative specialty components of the examination.

CATALOG NOTES

None

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours:0.00

Total Laboratory Hours: 96.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 96.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	ESL - 30 - ENGLISH AS A SECOND LANGUAGE LEVEL 3	Recommended Preparation	Reviewed

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	Write paragraphs at the low-intermediate level with sufficient unity;	Yes
2	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	develop coherence and mechanical accuracy;	Yes
3	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level;	Yes
4	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	converse at a functional level adequate for everyday use on the campus and in the community;	Yes
5	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	respond to questions about recorded and live speeches, dialogues, role plays, and lectures;	Yes
6	ESL	30	ENGLISH AS A SECOND LANGUAGE LEVEL 3	decode 2,500-word reading passages,, respond to inference and recall questions, and utilize a monolingual English dictionary to advantage.	Yes

EXIT STANDARDS

1 Define medical terms;
2 be familiar with technical references, such as coding books;
3 describe major parts of human anatomy and physiology;
4 exhibit good customer/patient service skills;
5 explain the laws and practices of the medical field;
6 communicate health practices to patients;
7 demonstrate the clinical aspects of medical assisting;
8 describe the administrative aspects of medical assisting.

STUDENT LEARNING OUTCOMES

1 Review the content for the Basic Certification section of CCMA;

2 Apply the content of the Clinical Certification section of CCMA;

3 Model the content of the Administrative Certification section of CCMA.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	BASIC CERTIFICATION: Medical Terminology • Word parts • Definitions • Abbreviations Technical References • Medical and standard dictionaries • PDR (Physician's Desk Reference) • Diagnostic/procedural coding books Anatomy and physiology of the Human Body • The body as a whole • Body systems • Correct spelling of terms Psychological aspects of Medical Assisting • Communication skills • Patient relations • Display professionalism Legal and Ethical Issues • California medical assistant regulations • Medical practice law in California • Drug enforcement law administration regulations • Consent/informed consent • Professional liability • Medical records. • Confidential and patient rights • Personal standards, hiring, and termination	**0**	**32**	**32**

	Patient Education • Written instructions • Oral instructions • Prescriptions and refills • Diagnostic testing • Nutrition and diet therapy • Fitness and weight control			
2	CLINICAL CERTIFICATION Infection Control • Principles of asepsis • Sterilization procedures • Assisting with minor surgeries Patient Preparation • Vital signs • Examinations Lab Procedures/Diagnostic Testing • Instructing the patient • Preparation of equipment and supplies • Specimen collection and processing • Screening Tests Patient History • Essential parts of medical history Administering Medications • Drug classifications, forms and uses • Side effects/adverse effects • Drug dosage—influencing factors, calculations • Systems of measurement • Medication inventory • Recording in the medical record • Prescriptions	**0**	**32**	**32**

	• Controlled substances Office Emergencies • Emergency policies and procedures • Equipment and supplies • First aid			
3	ADMINISTRATIVE CERTIFICATION Secretarial skills • Preparing correspondence • Telephone techniques • Process incoming/outgoing mail • Postal services • Office equipment operation Appointment Scheduling • Appointment systems • Making appointments • Information required Computer concepts • Components • Terminology • Electronic claims processing Medical records • Records management • Filing systems • Filing processes	**0**	**32**	**32**

	• Legal guidelines • Transfer and retention of records Bookkeeping and billing • Practice finances • Coding • Third party insurance billing Time and Facility Management • Types of insurance • Equipment and supplies • Office housekeeping			
	Total Hours			**96**

OUT OF CLASS ASSIGNMENTS

1 Not Applicable

METHODS OF EVALUATION

1 Certification practice exams

METHODS OF INSTRUCTION

☑ Lecture
☐ Laboratory
☐ Studio

☑ Discussion
☑ Multimedia
☑ Tutorial

☐ Independent Study
☑ Collaboratory Learning
☐ Demonstration
☐ Field Activities (Trips)
☐ Guest Speakers
☐ Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
CMA Exam Preparation Study Guide 2019-2020: CMA Exam Prep Review and Practice Questions for the Certified Medical Assistant Exam.	Required	Trivium Test Prep		book	Trivium Test Prep (Firm),	9781635303131 1635303133	2018

COURSE OUTLINE : STV 151
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : STV

COURSE NUMBER : 151

COURSE TITLE (FULL) : Engineering Drafting and Basic Design Mirrored Course

COURSE TITLE (SHORT) : Engineering Drafting and Basic Design Mirrored Course

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

STV 151 Is a mirrored **course** for ENGR 101 that offers limited seating through noncredit. It covers the fundamentals of traditional board drafting, descriptive geometry, orthographic projection and the graphical communication of technical engineering information. Students learn to create complete and accurate drawings that concisely communicate an engineering design. Topics include freehand drawing, lettering, and theory of orthographic and multi-view projections. Basic drafting skills, industry standards and technical graphics practices, and engineering and architecture scales are presented. The glass box theory is used to visualize orthographic projection as well as the fundamentals of auxiliary views, coordinate systems, sectioning, dimensioning, intersection of planes, visibility, lines and order of precedence of line types. Coordination dimensioning and geometric dimensioning and tolerancing (GD&T) subjects are covered including location tolerance, datum reference, tolerance symbols and feature control frames.

CATALOG NOTES

Seating in this course is limited. Permission from the Short Term Vocational department is mandatory.

Total Lecture Units:0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours: 27.00

Total Laboratory Hours: 81.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 108.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	ENGL - 191 - * Writing Workshop II	Recommended Preparation	Added
Or	ESL - 141 - Grammar And Writing IV	Recommended Preparation	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ENGL	191	* Writing Workshop II	analyze short essays (approximately 2-6 paragraphs in length) to identify thesis, topic, developmental and concluding sentences, as well as transitional expressions used to increase coherence;	Yes
2	ENGL	191	* Writing Workshop II	organize and write an essay which addresses the topic and is directed by a thesis statement;	Yes
3	ENGL	191	* Writing Workshop II	organize and write an essay which has an introduction, body, and conclusion and demonstrates a basic understanding of essay organization;	Yes
4	ENGL	191	* Writing Workshop II	organize and write an essay which shows some awareness of critical thinking and linkage of evidence with assertion;	Yes
5	ENGL	191	* Writing Workshop II	organize and write an essay which develops ideas, moving from general to specific;	Yes
6	ENGL	191	* Writing Workshop II	organize and write an essay which is easy to read and follow, though some errors in grammar, mechanics, spelling, or diction may exist;	Yes
7	ENGL	191	* Writing Workshop II	organize and write an essay which uses a variety of sentence types.	Yes
8	ENGL	191	* Writing Workshop II	evaluate compositions for unity, sufficiency of development, evidence, coherence, and variety of sentence structure;	Yes
9	ESL	141	Grammar And Writing IV	compose a 400 to 450-word thesis-based essay which:	Yes

16	ESL	141	Grammar And Writing IV	comprehend multi-paragraph reading passages in textbooks.	Yes
10	ESL	141	Grammar And Writing IV	a. summarizes and cites appropriately a reading passage provided as a prompt;	Yes
11	ESL	141	Grammar And Writing IV	b. includes a clear thesis statement;	Yes
12	ESL	141	Grammar And Writing IV	c. uses evidence to support the thesis;	Yes
13	ESL	141	Grammar And Writing IV	d. shows clear organization into an introduction, body and conclusion;	Yes
14	ESL	141	Grammar And Writing IV	e. uses appropriate rhetorical modes such as comparison/contrast, cause/effect and persuasion in order to support a thesis;	Yes
15	ESL	141	Grammar And Writing IV	demonstrate control of verb tenses in active and passive voice, gerunds and infinitives, conditionals real and unreal, adjective, noun, and adverb clauses, and transitional expressions;	Yes

EXIT STANDARDS

1. Demonstrate rules of orthographic projection by creating detailed multi-view drawings;
2. analyze an object and create auxiliary and section views of its features when necessary;
3. explain the glass box theory and the geometric relationships of orthographic views.

STUDENT LEARNING OUTCOMES

1 complete a series of basic drafting assignments utilizing lecture and text information;

2 demonstrate knowledge of basic drafting and dimensioning through a series of drawing assignments;

3 apply basic knowledge of industrial drafting practices through tests and lecture information.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours

1	Introduction to Graphic Representation of Physical Objects • History of drafting and engineering graphics • Drafting and design • Civil engineering applications • Mechanical engineering applications • Engineering design • Importance of fundamentals to modern computer aided design Industry standards ASME 14.5 • American Design Drafting Association (ADDA) • American Society of Mechanical Engineers (ASME) • American Society of Civil Engineers (ASCE)	2	2	4
2	Instruments and Drafting Tools • Units of measurement • Reading scales • Drafting board, drafting machine, drawing head • Compass and protractor • Calipers and micrometers	2	5	7
3	Geometric Construction • Geometry of straight line • Geometry of curves • Bisecting lines and curves • Tangencies	2	5	7
4	Standard Lettering • Upper case Gothic and other fonts • Free hand lettering uses in industry today • Mark ups, field notes and corrections	1	2	3

5	Theory of Orthographic Drawing • Glass box theory or concept • Six principal views and their relationships • Projection plane and visual rays • Assumption of infinite distance to a plane • Normal view	2	7	9
6	Process and Practice of Orthographic Projection Drawing • Selection of views • Projection of views • Orthographic freehand sketching • Reading orthographic projection • Projection of normal surfaces • Projection of inclined surfaces • Projection of skewed surfaces • Projection of curved surfaces	2	7	9
7	Pictorial Drawing and Sketching • Axonometric projection • Isometric projection • Dimetric projection • Trimetric projection • Oblique projection • Perspective drawing	2	7	9
8	Auxiliary Views • Descriptive geometry • Fold lines • True length • True size and shape • When to create an auxiliary view	2	7	9
9	Sectioning • Types of sections • Standard Full and half sections • Revolved sections • Cross hatching conventions and standards	1	6	7

10	Lines and Line Types • Solid or edge lines • Hidden or dashed lines • Center lines and center marks • Construction and projection lines • Line quality and thickness	1	2	3
11	Civil Engineering Applications • Elevations • Topographical maps • Surveying • Definition of Geographic Information systems (GIS) • Definition of Building Information Management (BIM) • Title block	2	6	8
12	Mechanical and Manufacturing Engineering Applications • Fasteners • Basic hole and shaft systems • Standard notation for fasteners • Production drawings • Drawing notes • Title block	2	6	8
13	Engineering Design Process • Engineering design process steps • Iteration • Drawing revision • Roles of engineers, designers, technologists and technicians	2	5	7
14	Dimensioning • Dimension standards • Coordinate dimensioning • Arrows and leaders • Fully defined dimensions • Clarity and order of dimensions	2	7	9

15	Geometric Dimensioning and Tolerancing (GD&T) • Fundamental rules • GD&T symbols • Feature control frames • Datums • Material condition modifiers • Maximum and least material conditions • Importance of GD&T in manufacturing	2	7	9
	Total Lecture Hours	**27**		
	Total Lab Hours		**81**	
	Total Hours			**108**

OUT OF CLASS ASSIGNMENTS

1 drawings (e.g. create an engineering drawing)

2 essay (e.g. write a brief summary of an industry organization such as the American Society of Civil Engineers ASCE)

METHODS OF EVALUATION

1 Exams

2 projects (e.g. create a set of engineering drawings of each part of a machinist's vise)

3 final Exam

METHODS OF INSTRUCTION

- [x] Lecture
- [x] Laboratory
- [ ] Studio
- [ ] Discussion
- [x] Multimedia
- [ ] Tutorial
- [ ] Independent Study
- [ ] Collaboratory Learning
- [x] Demonstration
- [ ] Field Activities (Trips)
- [ ] Guest Speakers
- [x] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
Engineering Graphics Essentials	Required	SDC Publications	5	Print	Kirstie Plantenberg	978-1-63057-052-1	2016
Engineering Graphics Principles with Geometric Dimensioning and Tolerancing	Required	SDC Publications	2	Print	E. Max Raisor	978-1630571214	2017

COURSE OUTLINE : STV 152
N Non-Credit
COURSE ID

PROPOSAL

COURSE DISCIPLINE : STV

COURSE NUMBER : 152

COURSE TITLE (FULL) : Interior Design Mirrored Class

COURSE TITLE (SHORT) : Interior Design Mirrored Class

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID : N/A

CATALOG DESCRIPTION

STV 152 is a mirrored course for ARCH 141 that offers limited seating through noncredit. It begins with the study of the floor plan and architecture background and moves through the selection and arrangement of furniture, floor, and window treatments, lighting, and accessory planning. Emphasis is placed on the use of design elements such as color, line, shape, texture, pattern, space, and their interaction with one another in the interior environment.

CATALOG NOTES:

Seating in this course is limited. Permission from the Short Term Vocational department is mandatory.

Total Lecture Units: 0.00

Total Laboratory Units: 0.00

Total Course Units: 0.00

Total Lecture Hours: 24.00

Total Laboratory Hours: 72.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 96.00

PRECONDITIONS FOR ENROLLMENT

And / Or	Course	Type	Req. Is Being
	ARCH - 101 - Drafting And Basic Design	Recommended Preparation	Added

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ARCH	101	Drafting And Basic Design	Describe the meaning of basic architectural vocabulary terms;	Yes
2	ARCH	101	Drafting And Basic Design	demonstrate proficiency in drawing on vellum and in the use of drawing instruments by the completion of various drawing assignments;	Yes
3	ARCH	101	Drafting And Basic Design	describe limited examples of the use of the Uniform Building Code as it applies to residential construction.	Yes

EXIT STANDARDS

1. Complete a series of basic floor plan designs;
2. demonstrate a familiarity with various architectural styles;
3. complete projects dealing with the arrangement of furniture, floor and window treatments, lighting and accessory planning;
4. prove familiarity with basic design elements, i.e. color, line, shape, texture, pattern and space;
5. demonstrate a familiarity with a selected technical vocabulary;
6. demonstrate a familiarity with a selected portion of the uniform building code.

STUDENT LEARNING OUTCOMES

1 describe methods to design comfortable living spaces for both aesthetic and civic purposes;

2 utilize color palates, various materials, and the given space to design innovative and functional living spaces;

3 use interior design vocabulary to describe and critique the work of others;

4 use drafting and computerized methods to design 2d and 3d spaces for both home and social spaces;

5 identify the psychological changes that can be attributed to aesthetic qualities.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Introduction • Planning a home • Site selection and its influence on the interior • Plan analysis • Outdoor - indoor relationships • Mood and character as an interior design	1.5	0	1.5
2	Basic Design • Design principles • Specific application to the field of interior design	2	0	2
3	Various Devices for Space • Definition and control in the contemporary interior	1.5	0	1.5
4	Psychological and Physiological • Aspects of color and their application in interiors	2	0	2
5	Room & Area Specific Design • Furniture selection and grouping • The living room • Living - dining room relationships • The family room - its function and placement • The kitchen • The bedroom • The bathroom • Storage • Lighting • Seating • The fireplace • Window treatments • Floor treatments, coverings • Wall treatments	11	0	11

6	Interior Materials • Wood • Fabric • Steel • Glass • Plastics • Textiles	3	0	3
7	Various Finishing Processes and Techniques	1.5	0	1.5
8	Building Regulations and Restrictions that Influence the Interior Design	1.5	0	1.5
9	Laboratory Assignments Related to Lecture Topics		72	72
	Total Lecture Hours	**24**		
	Total Lab Hours		**72**	
	Total Hours			**96**

OUT OF CLASS ASSIGNMENTS

1 individual projects (e.g. design various furniture layouts for a one-story home);
2 group projects (e.g. a written outline of a presentation of a residential design case study)

METHODS OF EVALUATION

1 midterm examination;
2 portfolio review and critique;
3 final individual project;
4 final examination.

METHODS OF INSTRUCTION

☑ Lecture
☐ Laboratory
☐ Studio
☐ Discussion
☑ Multimedia
☐ Tutorial

- [ ] Independent Study
- [x] Collaboratory Learning
- [ ] Demonstration
- [x] Field Activities (Trips)
- [x] Guest Speakers
- [x] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
Interior Design	Required	Tinley Park: Goodheart-Willcox,		Print	Clemons, Stephanie A.	978-161960-2427	2017

COURSE OUTLINE : T ART 112
D Credit – Degree Applicable
COURSE ID

PROPOSAL

COURSE DISCIPLINE : T ART

COURSE NUMBER : 112

COURSE TITLE (FULL) : Movement for Actors

COURSE TITLE (SHORT) : Movement for Actors

CALIFORNIA STATE UNIVERSITY SYSTEM C-ID :

CATALOG DESCRIPTION

T ART 112 explores the use of the body as an expressive instrument in theatrical performance. Students apply a variety of a movement techniques designed to integrate the actor's creative impulses, thoughts, and emotions with the body.

CATALOG NOTES

Note: During the semester, students are expected to attend professional and Glendale Community College Theatre Arts Department productions as a part of the learning process.

Total Lecture Units:3.00

Total Laboratory Units: 0.00

Total Course Units: 3.00

Total Lecture Hours:54.00

Total Laboratory Hours: 0.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 54.00

Recommended Preparation: N/A

PRECONDITIONS FOR ENROLLMENT: None

ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1				N/A	N/A

EXIT STANDARDS

1 Assess the current state the body is in, in relation to the demands of a character in a play;
2 focus and energize the physical instrument in preparation for a performance;
3 determine what exercises will assist an actor in transitioning from a nonproductive or unsafe state of mind into productive and safe onstage behavior appropriate to the play.

STUDENT LEARNING OUTCOMES

1 Design a personalized warm-up in preparation for performance
2 Synthesize the physical body with the emotional and psychological demands of a character in a play

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Identifying student's goals	1	0	1
2	Analysis of student's current alignment and areas of physical tension	2	0	2
3	Qualities of movement: self-examination of personal movement may include: • rhythm • tempo • freedom • ease • tension	3	0	3

4	Introduction and exploration of movement methods and techniques: may include: • Suzuki • Viewpoints • Michael Chekhov • Feldenkrais • Gaga Technique • Alexander Technique • Laban • Jacques Lecoq • Grotowski • Other movement techniques	20	0	20
5	Partner and Ensemble movement explorations • Contact Improvisation • Stage Combat • Viewpoints • Grotowski	7	0	7
6	Nonverbal Communication and Movement as a shorthand for language • body language studies • abstract movement studies • gesture studies	3	0	3
7	Characterization: application of knowledge to characters in plays	7	0	7
8	Relating to technical elements of production design	4	0	4
9	Intimacy Direction • Consent and ethical partner work • Safety and self-care during performance	2	0	2
10	Period acting • Posture • Protocol • Interpersonal dynamics • Costume demands	5	0	5
				54

OUT OF CLASS ASSIGNMENTS

1 Attend and critique, in the form of a written play review, two professional or GCC Theatre Department productions
2 individual and/or group research and performance project (e.g. select, memorize, and research a monologue or scene from a stylized play with specific movement demands relating to the historical time period)

METHODS OF EVALUATION

1 instructor evaluation of written and in-class performances
2 peer review or critique of student work
3 midterm examinations (practical and/or written)
4 final examinations (practical and/or written)

METHODS OF INSTRUCTION

- [x] Lecture
- [ ] Laboratory
- [ ] Studio
- [x] Discussion
- [ ] Multimedia
- [ ] Tutorial
- [ ] Independent Study
- [x] Collaboratory Learning
- [x] Demonstration
- [ ] Field Activities (Trips)
- [ ] Guest Speakers
- [ ] Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
The Viewpoints Book: A Practical Guide to Viewpoints and Composition	Required	Nick Hern Books		Print	Bogart, Anne	1848424132 978184842 4135	2014
To the Actor: On the Technique of Acting	Required	Harper and Row Publishing		Print	Chekhov, Michael	978-161427-6593	2014