College Course Number Course Title

COLLEGE OF ARTS AND LETTERS

ARABIC

CAL **ARAB 1020Q2S** **College Arabic II Bridge**

Further study of the fundamentals of grammatical structure, pronunciation and culture. Emphasis on oral communication, reading and writing. Bridge course for material covered in second half of ARAB 1111 to allow student to enter ARAB 1112. Prerequisite: ARAB 101 or equivalent.

AMERICAN SIGN LANGUAGE

CAL **ASL 1020Q2S** **American Sign Language II Bridge**

Further study in American Sign Language. Fundamentals of signing and language structure to further develop the ability to use and understand the language. Bridge course for material covered in second half of ASL 1111 to allow student to enter ASL 1112. Prerequisite: ASL 101 or equivalent.

CAHUILLA

CAL **CAHU 1020Q2S** **Language Study II: Cahuilla Bridge**

Further study in a language not offered as a major or minor. Fundamentals of pronunciation, structure and culture designed to develop the ability to use and understand the chosen language. Bridge course for material covered in second half of CAHU 1111 to allow student to enter CAHU 1112. Prerequisite: FLAN 101R or equivalent.

CHINESE

CAL **CHIN 1020Q2S** **College Chinese II Bridge**

Develops listening and active speaking skills in Mandarin Chinese with further development of reading and writing skills while expanding vocabulary of daily life. Bridge course for material covered in second half of CHIN 1111 to allow student to enter CHIN 1112. Prerequisite: CHIN 101 or equivalent.

FRENCH

CAL **FREN 1020Q2S** **College French II Bridge**

Develops listening and active speaking skills with further development of reading and writing skills while expanding vocabulary of daily life. Ability to describe events in present, near past and near future. Bridge course for material covered in second half of FREN 1111 to allow student to enter FREN 1112. Prerequisite: FREN 101 or equivalent.

College Course Number Course Title

JAPANESE

CAL **JAPN 1020Q2S** **College Japanese II Bridge**

Develops listening and active speaking skills with further development of reading and writing skills while expanding vocabulary of daily life. Bridge course for material covered in second half of JAPN 1111 to allow student to enter JAPN 1112. Prerequisite: JPAN 101 or equivalent.

CAL **JAPN 2020Q2S** **Second Year College Japanese B Bridge**

Further study of the language to attain proficiency in four language skills: listening, speaking, reading and writing. Students will improve fluency from class discussion on a variety of topics. Bridge course for material covered in second half of JAPN 2111 to allow student to enter JAPN 2112. Prerequisite: JAPN 201 or equivalent.

CAL **JAPN 3020Q2S** **Third Year College Japanese II Bridge**

Second course in an upper-level sequence. Develops students' oral and written Japanese language skills, as well as knowledge of Japanese culture. Bridge course for material covered in second half of JAPN 3111 to allow student to enter JAPN 3112. Prerequisite: JAPN 301 or equivalent.

KOREAN

CAL **KOR 1020Q2S** **College Korean II Bridge**

Develops listening and active speaking skills with further development of reading and writing skills while expanding vocabulary of daily life. Bridge course for material covered in second half of KOR 1111 to allow student to enter KOR 1112. Prerequisite: KOR 101 or equivalent.

LUISEÑO

CAL **LUIS 1020Q2S** **Language Study II: Luiseño Bridge**

Further study in a language not offered as a major or minor. Fundamentals of pronunciation, structure and culture designed to develop the ability to use and understand the chosen language. Bridge course for material covered in second half of LUIS 1111 to allow student to enter LUIS 1112. Prerequisite: FLAN 101Q or equivalent.

SERRANO

CAL **SERR 1020Q2S** **Language Study II: Serrano Bridge**

Further study in a language not offered as a major or minor. Fundamentals of pronunciation, structure and culture designed to develop the ability to use and understand the chosen language. Bridge course for material covered in second half of SERR 1111 to allow student to enter SERR 1112. Prerequisite: FLAN 101S or equivalent.

College Course Number Course Title

SPANISH

CAL **SPAN 1020Q2S** **College Spanish II Bridge**

Further study of the fundamentals of pronunciation, structure and Hispanic culture designed to develop the ability to use and understand basic spoken Spanish. Bridge course for material covered in second half of SPAN 1111 to allow student to enter SPAN 1112. Prerequisite: SPAN 101 or equivalent.

CAL **SPAN 2020Q2S** **Intermediate Spanish II Bridge**

Second course in an intermediate-level sequence in Spanish. Develops students' oral and written Spanish language skills, as well as knowledge of cultures. Bridge course for material covered in second half of SPAN 2111 to allow student to enter SPAN 2112. Prerequisite: SPAN 201 or equivalent.

CAL **SPAN 2520Q2S** **Intermediate Health Care Spanish II Bridge**

Second course in an intermediate-level sequence in Healthcare Spanish. Develops students' oral and written Spanish language skills, as well as knowledge of cultures with particular attention to healthcare related vocabulary, concepts, and situations. Bridge course for material covered in second half of SPAN 2251 to allow student to enter SPAN 2252. Prerequisite: SPAN 251 or equivalent.

College Course Number Course Title

COLLEGE OF EDUCATION

EDUCATIONAL LEADERSHIP AND TECHNOLOGY

CE EDDL 7001Q2S Strategic Planning and Human Resource Management in K-12
In-depth exploration of strategic planning and human resource management in K-12 educational contexts. Focuses on the transformational changes needed to position K-12 institutions to address current and future challenges. Emphasizes the relationships between PK-12 and higher education and the Educational and Facilities Master Plan.

CE EDDL 7002Q2S Strategic Planning and Human Resource Management in Higher Education
In-depth exploration of strategic planning and human resource management in higher education contexts. Focuses on the transformational changes needed to position higher education institutions to address current and future challenges and emphasizes the relationships between higher education and K12.

CE EDDL 7200Q2S Advanced Quantitative Research Methods
Advanced designs and statistics commonly applied in educational research. Analysis and interpretation of data from designs using covariates (ANCOVA and hierarchical regression), mediation and moderation effects (in ANOVA and multiple regression), hierarchical linear modeling (nested data), factor analysis, structural equation modeling, utility analysis, and meta-analysis. Results writing and discussion sections based on selected data analyses.

CE EDDL 7220Q2S Advanced Qualitative Research Methods
Advanced designs and data analysis commonly applied in qualitative study in education on a topic of their choice and to better understand the assumptions of theory, method, and analysis guiding their research choices. Readings will focus on issues involved in the interconnected processes of framing a study, writing a proposal, considering ethical and political issues, collecting data, analyzing and interpreting data, and writing and presenting research for varied purposes.

TEACHER EDUCATION AND FOUNDATIONS

CE EDMS 4107Q2S Supervised Student Teaching Semester Bridge Course
Structured, supervised student teaching experience in a TK-6 setting. Those seeking a bilingual added authorization are placed in a bilingual setting. Formerly EELB 540A and 540B. Program consent is required.

CE EDMS 4108BQ2S Supervised Intern Teaching in Multiple Subject II Semester Bridge
Course Provides the second semester of supervised teaching for interns teaching in TK-6 settings. 16 weeks over two semesters of supervised intern teaching are required, this is the second semester. Intern teachers learn from experienced educators and are evaluated against California Teaching Performance Expectations. They receive support and guidance from site administrators, mentor teacher, and EL expert in order to become effective educators. Formerly EELB 560B. Graded Credit/ No Credit.

CE EDMS 4110Q2S Assessment Seminar: CalTPA Semester Bridge Course
Knowledge, skills and dispositions required for first year teachers. Emphasis on content specific and developmentally appropriate pedagogy, characteristics of English learners and students with special needs, and preparation to document parts of teacher performance expectations 1-6. Preparation and individual mentoring for CalTPA 1 and 2. Graded Credit/No credit. Formerly EELB 520E and EELB 520F.

College Course Number Course Title

COLLEGE OF NATURAL SCIENCE

BIOLOGY

CNS BIOL 2010Q2S Biology of Organisms Bridge Course

Introduces diversity, structure, and function of Bacteria, Archaea, protists, and plants. 5 week intensive course with 4 hours lecture and 3 hours laboratory. Offered during the last 5 weeks of fall semester. When combined with BIOL 2020, this course is equivalent to the previously offered BIOL 201 and 202. Meets requirement for GE category B2 and its associated Laboratory Activity. Materials fee required. Department consent required.

CNS BIOL 2020Q2S Biology of Populations Bridge Course

Provides a foundational understanding of the principles of genetics, evolution and ecology of organisms, populations, and communities. 10 week intensive course with 4 hours lecture and 3 hours laboratory. Offered during the last 10 weeks of spring semester. This course is equivalent to the previously offered BIOL 202. Materials fee required. Department consent required.

CHEMISTRY

CNS CHEM 2070LQ2S Fundamentals of Chemistry III: Biochemistry Laboratory Semester Bridge

Semester bridge course. Covers CHEM 207 laboratory. CHEM 2070LQ2S may be taken after successfully completing CHEM 206. Students that have successfully completed CHEM 207 may not take this course. 3 hours laboratory. Students will meet for the last ten weeks of the semester. Department consent is required. Materials fee required.

CNS CHEM 2070Q2S Fundamentals of Chemistry III: Biochemistry Lecture Semester Bridge

Semester bridge course. Covers CHEM 207 lecture. CHEM 2070Q2S may be taken after successfully completing CHEM 206. Students who have successfully completed CHEM 207 may not take this course. Students will meet for four hours per week for the last ten weeks of the semester. Department consent is required.

CNS CHEM 2220AQ2S Organic Chemistry II Lecture Semester Bridge

Semester bridge course. Covers the first half of CHEM 222A lecture course to prepare students for CHEM 2500 under the semester system. CHEM 2220AQ2S may be taken after successfully completing CHEM 221A. Students who have successfully completed CHEM 222A may not take this course. Students will meet three hours per week for the last five weeks of the semester. Department consent is required.

CNS CHEM 2220BQ2S Organic Chemistry II Laboratory Semester Bridge

Semester bridge course. Covers the first half of CHEM 222B laboratory to prepare students for CHEM 2500L under the semester system. CHEM 2220BQ2S may be taken after successfully completing CHEM 221B. Students who have successfully completed CHEM 222B may not take this course. Three hours laboratory. Students will meet for the last five weeks of the semester. Department consent is required. Materials fee required.

CNS CHEM 2230AQ2S Organic Chemistry III Lecture Semester Bridge

Semester bridge course. Covers the content of CHEM 223A lecture. CHEM 2230AQ2S may be taken after successfully completing CHEM 222A. Students who have successfully completed CHEM 223A may not take this course. Students will meet for three hours per week for the last ten weeks of the semester. Department consent is required.

College Course Number Course Title

CNS CHEM 2230BQ2S Organic Chemistry III Laboratory Semester Bridge

Semester bridge course. Covers the content of CHEM 223B laboratory. CHEM 2230BQ2S may be taken after successfully completing CHEM 222B. Students that have successfully completed CHEM 223B may not take this course. Three hours of lab per week. Students will meet for the last ten weeks of the semester. Department consent is required. Materials fee required.

CNS CHEM 3220Q2S Principles of Organic Chemistry II Lecture Semester Bridge

Semester bridge course. Covers the first half of CHEM 322 lecture to prepare students for CHEM 3500 under the semester system. CHEM 3220Q2S may be taken after successfully completing CHEM 321. Students that have successfully completed CHEM 322 may not take this course. Students will meet for three hours per week for the last five weeks of the semester. Department consent is required.

CNS CHEM 3220LQ2S Principles of Organic Chemistry II Laboratory Semester Bridge

Semester bridge course. Covers the first half of CHEM 322 laboratory to prepare students for CHEM 3500 under the semester system. CHEM 3220LQ2S may be taken after successfully completing CHEM 321. Students who have successfully completed CHEM 322 may not take this course. Three hours of lab per week. Students will meet for once a week for the last ten weeks of the semester. Department consent is required. Materials fee required.

CNS CHEM 3230Q2S Principles of Organic Chemistry III Lecture Semester Bridge

Semester bridge course. Covers the content of CHEM 323 lecture. CHEM 3230Q2S may be taken after successfully completing CHEM 322. Students who have successfully completed CHEM 323 may not take this course. Students will meet for three hours per week for the last ten weeks of the semester. Department consent is required.

CNS CHEM 3230LQ2S Principles of Organic Chemistry III Laboratory Semester Bridge

Semester bridge course. Covers CHEM 323 laboratory. CHEM 3230LQ2S may be taken after successfully completing CHEM 322. Students who have successfully completed CHEM 323 may not take this course. Six hours of laboratory. Students will meet for the last ten weeks of the semester. Department consent is required. Materials fee required.

CNS CHEM 4370AQ2S Biochemistry II Lecture Semester Bridge

Semester bridge course. Covers the first half of CHEM 437A to prepare students for CHEM 4200 under the semester system. CHEM 4370AQ2S may be taken after successfully completing CHEM 436A. Students who have successfully completed CHEM 437A may not take this course. Three hours of lecture per week for the last five weeks of the semester. Department consent is required.

CNS CHEM 4370BQ2S Biochemistry II Laboratory Semester Bridge

Semester bridge course. Covers the first half of CHEM 437B to prepare students for CHEM 4200L under the semester system. CHEM 4370BQ2S may be taken after successfully completing CHEM 436B. Students who have successfully completed CHEM 437B may not take this course. Three hours of lab per week. Students will meet for the last five weeks of the semester. Department consent is required. Materials fee required.

CNS CHEM 4380AQ2S Biochemistry III Lecture Semester Bridge

Semester bridge course. Covers the content of CHEM 438A. CHEM 4380AQ2S may be taken after successfully completing CHEM 437A. Students who have successfully completed CHEM 438A may not take this course. Students will meet for three hours per week for the last ten weeks of the semester. Department consent is required.

CNS CHEM 4380BQ2S Biochemistry III Laboratory Semester Bridge

Semester bridge course. Covers CHEM 438B. CHEM 4380BQ2S may be taken after successfully completing CHEM 437B. Students who have successfully completed CHEM 438B may not take this course. Three hours of laboratory per week for the last ten weeks of the semester. Department consent is required. Materials fee required.

College Course Number Course Title

GEOLOGY

CNS GEOL 3199Q2S Optical Mineralogy Bridge

Theory and application of petrographic microscopy for the analysis and identification of minerals. One hour lecture and three hours laboratory. This course is to intended for students who completed GEOL 320, but who did not complete GEOL 321 with a grade of "C" or better. Materials fee required.

CNS GEOL 3399Q2S Sedimentary Geology II Bridge

Description, analysis, and interpretation of terrestrial/continental systems, and subaqueous sedimentary systems. Laboratory work includes analysis of carbonate and other biogenic/chemically precipitated sediments and rocks; lithostratigraphic and biostratigraphic correlation and analysis, and seismic and sequence stratigraphic analysis. Overnight field trips may be required. Three hours lecture and three hours laboratory per week for five weeks, class sessions TBA. Materials fee required. Department consent required.

CNS GEOL 5560Q2S Case Histories in Engineering Geology Practice Bridge

The practice of engineering geology through the analysis of case histories of successful projects and failed projects. Class will cover projects such as dams, tunnels, foundations, and natural hazards through time and show how the field of engineering geology has developed in the United States and internationally. This bridge course is intended for students who have taken GEOL 555, but have not taken, or have not passed GEOL 556. Materials fee required.

CNS GEOL 5599Q2S Case Histories in Engineering Geology Practice Bridge

The practice of engineering geology through the analysis of case histories of successful projects and failed projects. Class will cover projects such as dams, tunnels, foundations, and natural hazards through time and show how the field of engineering geology has developed in the United States and internationally. This bridge course is intended for students who have taken GEOL 555, but have not taken, or have not passed GEOL 556. Three hours seminar and three hours lab for the last six weeks of the semester. Materials fee required. Department consent required.

CNS GEOL 6000Q2S Environmental Geosciences Bridge

Application of earth science principles to environmental issues. Topics include applications of fundamentals of physical geology to geohazards, engineering geology, surface and groundwater, erosion, and environmental geochemistry. Atmospheric and climate topics will include global change issues. Labs will feature hands-on-experience with earth materials, maps, analytical techniques and environmental problem solving. This bridge course is intended for students who have taken CHEM 610, but either have not taken, or not passed GEOL 610. Materials fee required.

CNS GEOL 6009Q2S Environmental Geosciences Bridge

Application of earth science principles to environmental issues. Topics include applications of fundamentals of physical geology to geohazards, engineering geology, surface and groundwater, erosion, and environmental geochemistry. Atmospheric and climate topics will include global change issues. Labs will feature hands-on-experience with earth materials, maps, analytical techniques and environmental problem solving. Four hours lecture and three hours laboratory per week for five weeks. Three hours lecture per week for 6.67 weeks and three hours lab for 5 weeks. Sessions for bridge course TBA. Materials fee required. Department consent required.

College Course Number Course Title

MATHEMATICS

CNS MATH 1990Q2S Problem Solving For Teachers Using Technology Semester Bridge

Exploration of central ideas in secondary school mathematics through problem solving using technology. Introduction to technological and software tools for teaching and learning geometry, algebra, and additional topics relevant to secondary school mathematics. MATH 1990Q2S is equivalent to MATH 199; students may not earn credit for both courses. Students will meet for two hours of lecture and three hours of lab for the first ten weeks of the semester. Department consent required.

CNS MATH 2120Q2S Introduction to Integral Calculus Semester Bridge

As a continuation of MATH 211, this bridge course will include content from the first half of MATH 212. Topics will include definite and indefinite integrals and basic techniques of integration with an emphasis on conceptual understanding, problem solving, multidisciplinary applications, and use of technology for numerical methods and graphical representation. The sequence MATH 211 and MATH 2120Q2S is equivalent to MATH 2210; students may not earn credit for both the sequence MATH 211 - MATH 2120Q2S and the semester course, MATH 2210. Students who have completed MATH 212 may not earn credit for MATH 2120Q2S. Students will meet two hours per week for the first ten weeks of the semester. Department consent required.

CNS MATH 2130Q2S Continued Topics in Single Variable Calculus

A continuation of single-variable calculus, including applications of integration, sequences and series, parametric equations and polar coordinates. Students who have completed MATH 213 may not earn credit for MATH 2130Q2S. The MATH 211, MATH 212, and MATH 2130Q2S sequence is equivalent to the sequence MATH 2210 and MATH 2220. Students will meet 2.67 hours per week for fifteen weeks of the semester. Department consent required.

CNS MATH 3080Q2S Problem Solving Through Theory and Practice Bridge

Heuristic techniques in solving contextual problems from algebra, number theory, geometry, logic, probability and statistics. May not be counted toward fulfilling requirements in the mathematics major. MATH 3080Q2S is equivalent to MATH 308. The sequence MATH 301A, Math 301B, Math 301C and MATH 3080Q2S is equivalent to the sequence MATH 3011, MATH 3012 and MATH 3013. May not be taken for credit by students who have completed MATH 308, 301AQBR, 301BQBR, MATH 3011, MATH 3012, MATH 3013 or MATH 302. Students will meet two hours per week for the first ten weeks of the semester. Department consent required.

CNS MATH 3310Q2S Introductory Linear Algebra Bridge

Introduction to concepts in Linear Algebra. Topics will include solving systems of linear equations, linear transformations, eigenvalues and eigenvectors. The sequence MATH 251 and MATH 3310Q2S is equivalent to MATH 2310; students may not earn credit for both the MATH 251 and MATH 3310Q2S sequence and the semester course, MATH 2310. Students who have completed MATH 331 may not earn credit for MATH 3310Q2S. Students will meet three hours per week for the first ten weeks of the semester. Department consent required.

College Course Number Course Title

PHYSICS

CNS **PHYS 2000Q2S** **Basic Concepts of Physics Semester Bridge**

Equivalent to half of PHYS 123, should be taken by students who have previously passed PHYS 121, but not PHYS 123. Topics include mechanical oscillations, thermodynamics, and fluids. Five week intensive course with 4 hours lecture and 3 hours laboratory. Offered during the last 5 weeks of the semester. Students completing this course will be able to enroll in PHYS 2010 and PHYS 2010L in the semester system. Materials fee required. Department consent required.

CNS **PHYS 2500Q2S** **General Physics Semester Bridge**

Equivalent to half of PHYS 223, should be taken by students who have previously passed PHYS 221, but not PHYS 223. Topics include mechanical oscillations and waves. Five week intensive course with 4 hours lecture and 3 hours laboratory. Offered during the last 5 weeks of the semester. Students completing this course will be able to enroll in PHYS 2510 and PHYS 2510L in the semester system. Materials fee required. Department consent required.

College Course Number Course Title

JACK H. BROWN COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION

ACCOUNTING

JHBC **ACCT 3722Q2S** **Intermediate Accounting Bridge Course**

Provides bridge between ACCT 372 (Intermediate Accounting I, quarter) and ACCT 3730 (Intermediate Accounting II, semester). Covers additional issues regarding inventories, acquisition and disposition of plant assets, depreciation, impairments and depletion, intangible assets.

ADMINISTRATION

JHBC **ADMN 6910Q2S** **Culminating Business Analyst Project**

Capstone course develops the future manager's business analysis skills, integrating knowledge from the MBA Foundation and Essentials courses. Students will develop a comprehensive, written assessment that addresses a real, substantive business problem. This course is a bridge course for MBA students admitted before Fall 2020.

MARKETING

JHBC **MKTG 4161Q2S** **Marketing Research Quarter Bridge**

This course fills a content gap created by the addition of MKTG 3160 to the BA in Administration core. Students who major in administration with a concentration in marketing on the quarter catalog requirements will need to take this course after completing MKTG 3160 to satisfy the original MKTG 416 requirement. In this course, students will learn how to develop a marketing research plan, collect the data (secondary and/or primary), analyze and interpret the data, and present the results, in order to enable managers to make better decisions. Fundamental statistical analysis techniques commonly used in marketing research, such as frequency analysis and hypothesis testing will be taught. The course will also feature many examples of contemporary marketing research applications.