



# Independent and Special Studies

## COURSE DESCRIPTIONS

The following abbreviations are commonly used in the course descriptions: **lect** lecture; **lab** laboratory; **demo** demonstration; **Repeat** repeatability (see policy on course repetition); **CCS** Course Classification System. Hours given in parentheses are total hours for the course. Hours lecture, lab, etc., are hours required per week usually. **Offered:** F=course is offered fall semester; S=course is offered spring semester; SS=course is offered summer session. If there is no designation, the course is offered irregularly. Check with the department for information. Many classes are offered occasionally during the summer. Check the summer class schedule for additional course listings. Prerequisites are expressed as minimum requirements. See page 40 for a complete explanation. (CSU) indicates transferable to California State Universities; (UC) indicates transferable to University of California.

*Credit limitations may apply. For specific information see a counselor.*

### ANTH B21abcd Special Projects (1-1-1-1 unit. Limit 4 units)

Anthropology assistant and tutor. Work primarily in a tutorial relationship with students enrolled in a course which the enrollee has completed with a high level of mastery. **Prerequisites:** ANTH B1 with a grade of "B" and completion of the course in which the student will be assisting with a grade of "B." **Hours:** (54-216) 3-12 lab by arrangement. **Repeat:** 3, or until a maximum of 4 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and selected institutions.

### ART B29 Special Studies in Art (0.5-3 units. Limit 9 units)

Selected advanced projects with class content and unit credit to be determined by instructor and student. **Prerequisite:** Evaluation by instructor. **Recommended:** Reading Level 5 or 6. **Hours:** (27-162) .5 lect, 1 studio to 3 lect, 6 studio. **Repeat:** 3, or until a maximum of 9 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

### BIOL B21 Special Projects in Biology (1-2 units. Limit 4 units)

Individually directed work in biology, biological preparation, and development of specialized collection materials. **Prerequisites:** Introductory course in college biology and evaluation by instructor. **Recommended:** Reading Level 5 or 6. **Hours:** (54-108) 3 directed study/unit. **Repeat:** 3 or until a limit of 4 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

### COMS B201 Computer Skills Development (1 unit)

Computer Skills development through application to specific discipline areas. **Hours:** (Independent Study) Hours by arrangement. **Repeat:** 3. **Offered:** F, S, SS. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

### FDSV B56 Special Project in Foods and Nutrition (1 unit. Limit 2 units)

Research and project development in special interest areas relating to the food service industry. Topics must extend study beyond the current curriculum and require departmental approval. A minimum of 18 hours for outside-of-class assignments is required. **Prerequisite:** Completion of the first-year curriculum of the foods and nutrition program with a grade of "B." **Recommended:** Reading Level 5 or 6 and recommendation by faculty member. **Hours:** (18) 1 seminar. **Repeat:** 1, not to exceed 2 units. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

### INDT B271 Special Problems in Welding (2-3 units. Limit 6 units)

Provides individual students the opportunity to explore various segments of welding such as various welding processes and codes, fabrication techniques, layout, and testing and preparation for certification. Development and implementation of meaningful, self-directed studies in areas where student desires specific technical and related skill development necessary for enrichment or employment. **Prerequisite:** WELD B1a or WELD B53a with a grade of "C." or equivalent experience evaluated by instructor. Completed "Petition for Individual Study" form. **Recommended:** Reading Level 5 or 6. Enrollment is contingent on available lab space. **Hours:** (36-54) Hrs. by arrangement. **Repeat:** 1 or until a maximum of 6 units is reached. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

### INDT B272 Special Problems in Electronics (2-3 units. Limit 6 units)

Provides individual students the opportunity to explore various segments of electronics. Development and implementation of meaningful, self-directed studies in areas where the student desires specific technical and related skill development necessary for enrichment or employment. **Prerequisites:** Completion of minimum of 9 units of electronics courses with a grade of "C" or equivalent experience or evaluation by instructor of electronics experience. Completed "Petition for Individual Study" form. Enrollment is contingent on available lab space. **Hours:** (36-54) Hrs. by arrangement. **Repeat:** 1 or until a limit of 6 units is reached. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

### INDT B273 Special Problems in Machine Tool Metal Working (2-3 units. Limit 6 units)

Provides individual students the opportunity to explore various segments of machine tool metal working. Development and implementation of meaningful, self-directed studies in areas where the student desires specific technical and related skill development necessary for enrichment or employment. **Prerequisites:** Completion of minimum of 6 units of machine tool courses with a grade of "C" or equivalent experience or evaluation by instructor of machine working. Completed "Petition for Individual Study" form.

**Hours:** (36-54) Hrs. by arrangement. **Repeat:** 1 or until a limit of 6 units is reached. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

**INDT B274 Special Problems in Wood Working  
(2-3 units. Limit 6 units)**

Provides the opportunity to explore various segments of woodworking. Development and implementation of meaningful, self-directed studies in areas where the student desires specific technical and related skill development necessary for enrichment or employment. **Prerequisites:** Completion of minimum of 9 units of woodworking courses with a grade of "C" or equivalent experience evaluation by instructor. Completed "Petition for Individual Study" form. **Recommended:** Reading Level 5 or 6. Enrollment is contingent on available lab space. **Hours:** (18-54) Hrs. by arrangement. **Repeat:** 1 or until a limit of 6 units is reached. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

**INDT B275 Special Problems in Automotive  
(2-3 units. Limit 6 units)**

Provides the individual students the opportunity to explore various segments of automotive. Development and implementation of meaningful, self-directed studies in areas where the student desires specific technical and related skill development necessary for enrichment or employment. **Prerequisites:** Completion of minimum of 9 units of automotive courses with a grade of "C" or evaluation by instructor of automotive experience. Completed "Petition for Individual Study" form. Enrollment is contingent on available lab space. **Hours:** (36-54) Hrs. by arrangement. **Repeat:** 1 or until a limit of 6 units is reached. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

**INDT B276 Special Problems in Animation (2-3 units.  
Limit 6 units)**

Provides individual students the opportunity to explore processed video animation and production. Development and implementation of meaningful, self-directed studies in areas where students desire specific technical and related skills development necessary for enrichment or employment. **Prerequisite:** INDR B16 with a grade of "C" or higher or equivalent experience evaluated by instructor. Completed "Petition for Individual Study" form. **Recommended:** Reading Level 5 or 6. Enrollment is contingent on available lab space. **Hours:** (36-54) Hrs by arrangement. **Repeat:** 1 or until a maximum of 6 units is reached. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

**MATH B21 Special Projects in Mathematics  
(1-2 units. Limit 4 units)**

Individually directed work in mathematics, including advanced topics, research projects, special problems and applications of mathematics to specific subject areas. **Prerequisites:** Completion of a basic course in mathematics with a grade of "B" and evaluation by instructor. **Recommended:** Reading Level 5 or 6. **Hours:** (18-36) 1 lab. **Repeat:** 3. **CCS:**

Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

**PHSC B21 Special Projects in Physical Science  
(0.5-3 units. Limit 3 units)**

Individually directed work in a science, engineering or architecture area. Individual research problems using materials, equipment and techniques not available in larger classes. **Prerequisites:** Completion of a basic course in science, engineering, or drafting with a minimum grade of "C" and evaluation by instructor. **Recommended:** Reading Level 5 or 6. **Hours:** (27-162) 3 directed study/unit. **Repeat:** 2, or until a limit of 3 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

**PSYC B21a-B21b-B21c-B21d Special Projects  
(1-1-1-1 unit. Limit 4 units)**

Psychological assistant and tutor. Work primarily in a tutorial relationship with students enrolled in a course which the enrollee has completed with a high level of mastery. **Prerequisites:** PSYC B1a with a grade of "B" and completion of the course in which student will be assisting with a grade of "B." **Hours:** (54-216) 3-12 lab by arrangement. **Repeat:** 3, or until a maximum of 4 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and selected institutions.

**SOCI B21abcd Special Projects  
(1-1-1-1 unit. Limit 4 units)**

Sociology assistant and tutor. Work primarily in a tutorial relationship with students enrolled in a course which the enrollee has completed with a high level of mastery. **Prerequisites:** SOCI B1 with a grade of "B" and completion of the course in which student will be assisting with a grade of "B." **Hours:** (54-216) 3-12 lab by arrangement. **Repeat:** 3, or until a maximum of 4 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and selected institutions.

**SPST B48 Special Studies: Honors  
(0.5-2 units. Limit 4 units)**

Study and projects planned to provide an enriched academic experience for students not being served in regularly scheduled courses. It is planned to meet the needs of superior students whose background and interests indicate that they could profit from study and projects in a subject area. The course will be designated according to the subject fields studies, i.e. Special Studies/German. **Prerequisite:** Approval by instructor. **Hours:** (9-18-27-36) .5-1 - 1.5-2 lect/disc. Field trips may be required. **Repeat:** 1 or until a limit of 4 units is reached. **CCS:** Liberal Arts and Sciences. **Transferable:** CSU and private colleges.

**SPST B49 Special Studies: Honors  
(.5-2 units. Limit 4 units)**

Seminars and /or individual conferences by arrangement. Independent, individual study planned to provide an enriched academic experience for students not being served in regularly scheduled courses. Meets the needs of superior students

whose background and interests indicate that they could profit from individual study in a subject area. The course will be designated according to the subject field studies, i.e. Special Studies/German. **Prerequisite:** Approval by the instructor. **Hours:** (24-96). Field trips may be required. **Repeat:** 1 or until a limit of 4 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

**SPST B49L Special Studies Lab: Honors  
(1-2 units. Limit 4 units)**

Seminars and/or individual conferences by arrangement. Independent, individual study planned to provide an enriched academic experience for students not being served in regularly scheduled courses. It is planned to meet the needs of superior students whose background and interests indicate that they could profit from individual study in a subject area. The course will be designated according to the subject field of studies, i.e. Special Studies/German. **Prerequisite:** Recommendation by instructor. **Hours:** (54-108) 3-6 lab by arrangement. Field trips may be required. **Repeat:** 1 or until a limit of 4 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

**SPST B201 Special Projects and Studies  
(1-3 units. Limit 6 units)**

Special projects of studies in an area not being served by regularly scheduled courses. The student is required to meet periodically with faculty advisor and/or department chair to review progress in the study program. **Prerequisite:** Recommendation by instructor. **Hours:** (18-54) 1-3 hours by arrangement. Field trips may be required. **Repeat:** 3, or until 6 units are reached. **CCS:** Liberal Arts & Sciences. **Not Transferable:** Not degree applicable.

**SPST B201L Special Projects and Studies  
(1-3 units. Limit 6 units)**

Special projects of studies in an area not being served by regularly scheduled courses. The student is required to meet periodically with faculty advisor and/or department chair to review progress in the study program. **Prerequisite:** Recommendation by instructor. **Hours:** (54-162) 3-9 hours by arrangement. Field trips may be required. **Repeat:** 3, or until 6 units are reached. **CCS:** Liberal Arts & Sciences. **Not Transferable:** Not degree applicable.

**SPST B210 Independent Reading Program  
(1-2 units. Limit 2 units)**

Independent reading of books in the social sciences, physical sciences and humanities under Library staff supervision. **Recommended:** Reading Level 5 or 6. **Hours:** (54-108) 3-6 lab by arrangement. **Repeat:** 1. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges.