Courses in Sustainable Agriculture and Food Systems (SAF)

**Lower Division**

**92. Internship (1-12)**
Internship—3-36 hours. Prerequisite: consent of instructor. Restricted to Sustainable Agriculture and Food Systems majors or with consent of instructor. Lower-division internship for students enrolled in the Sustainable Agriculture and Food Systems program of study. Enrollment for non-majors by consent of instructor. May be repeated up to 12 units with credit with consent of instructor. (P/NP grading only)—I, II, III. (I, II, III.) Galt, Horwath, Tomich, Van Horn

**98. Directed Group Study (1-5)**
Prerequisite: consent of instructor. Restricted to Sustainable Agriculture and Food Systems major or with consent of instructor. Group study on focused topics in Sustainable Agriculture and Food Systems. Varies according to instructor. Course plan is adapted to student need and interest in conjunction with the expertise of the instructor. Offered irregularly. (P/NP grading only)—I, II, III. (I, II, III.)

**99. Special Study for Undergraduates (1-5)**
Independent study—3-15 hours. Prerequisite: consent of instructor. Under faculty supervision, students pursue a special or individualized course of study related to Sustainable Agriculture and Food Systems. May be repeated for credit. (P/NP grading only)—I, II, III. (I, II, III.)

**Upper Division**

**192. Internship (1-12)**
Internship—3-36 hours. Prerequisite: upper-division standing; consent of instructor. Restricted to Sustainable Agriculture and Food Systems majors or with consent of instructor. Upper-division internship for students enrolled in the Sustainable Agriculture and Food Systems Program of study. Enrollment for non-majors by consent of instructor. May be repeated up to 12 units for credit. (P/NP grading only)—I, II, III. (I, II, III.) Galt, Horwath, Tomich, Van Horn

**197T. Tutoring in Sustainable Agriculture and Food Systems (1-5)**
Tutorial—3-15 hours. Prerequisite: upper division standing; consent of instructor. Undergraduates assist the instructor by tutoring students in regularly scheduled courses that fulfill SAFS major requirements. May be repeated for credit. Offered irregularly. (P/NP grading only)—I, II, III. (I, II, III.)

**197TC. S&AFS Tutoring in the Community (1-5)**
Tutorial—3-15 hours. Prerequisite: upper division standing; consent of instructor. Undergraduates assist the instructor by tutoring in the community in settings related to Sustainable Agriculture and Food Systems. May be repeated for credit. Offered irregularly. (P/NP grading only)—I, II, III. (I, II, III.)

**198. Directed Group Study (1-5)**
Prerequisite: upper division standing; consent of instructor. Restricted to Sustainable Agriculture and Food Systems major or with consent of instructor. Group study on focused topics in Sustainable Agriculture and Food Systems. Varies according to instructor. Course plan is adapted to student need and interest in conjunction with the expertise of the instructor. May be repeated for credit. Offered irregularly. (P/NP grading only)—I, II, III. (I, II, III.)

**199. Special Study for Advanced Undergraduates (1-5)**
Independent study—3-15 hours. Prerequisite: upper division standing; consent of instructor. Under faculty supervision, advanced students pursue a special or individualized course of study related to Sustainable Agriculture and Food Systems. May be repeated for credit. (P/NP grading only)—I, II, III. (I, II, III.)

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**Sustainable Environmental Design**

[College of Agriculture and Environmental Sciences] [Department of Human Ecology]

Patsy Eubanks Owens, M.L.A., Chairperson, Human Ecology

**Department Office. 131 Hunt Hall; 530-752-3907; [http://sed.ucdavis.edu](http://sed.ucdavis.edu)**

**Faculty**

Elizabeth Boult, MLA Continuing Lecturer
David de la Peña, Ph.D., Assistant Professor
Steven E. Greco, Ph.D., Associate Professor
Eric Larsen, Ph.D., Associate Research Scientist
Jeff Loux, Ph.D., Associate Adjunct Professor
Brett Milligan, M.L.A., Assistant Professor
N. Claire Napawan, M.F.A., Assistant Professor
Lorraine Oki, Ph.D., Associate Specialist in Cooperative Extension

Patsy Eubanks Owens, M.L.A., Professor
Michael Rios, Ph.D., Associate Professor
Sherry Ann Simpson, M.L.A., Assistant Professor
Stephen Wheeler, Ph.D., Associate Professor

**The Major Program**
The Sustainable Environmental Design major is intended to build student understanding and skills related to creation of sustainable communities and landscapes. Coursework emphasizes urban and environmental design, sustainable development theory and practice, green building, local government planning and decision-making, community dynamics and organizations, and written, graphic, and oral presentation of sustainability strategies.

**The Program**
The Sustainable Environmental Design major is particularly suited for students who are interested in the physical form and design of communities and related public and private processes. It is focused on the physical environment of communities and the process of designing, planning for, and regulating the built landscape and the place-making considerations involved in creating sustainable communities.

**Career Alternatives**
Graduates will choose to pursue work in government, community organizations, education, or the private sector. They will also be well-positioned to pursue graduate education in city and regional planning, landscape architecture, architecture, public policy, public administration, law, real estate, and related fields.

**B.S. Major Requirements:**

**Preparatory Subject Matter .................. 63**

English Writing/Oral Communication .... 8
Biological Sciences 2A, 2B ........ 9
One course each in Statistics, Economics, Political Science, Physical Sciences, and Sociology......................... 20
Landscape Architecture 1, 2, 3, 21, 30, 50 70 .................................................. 26

**Depth Subject Matter .................. 21**
Landscape Architecture 140, 141, 142 14
Environmental Science and Policy 171 4
Landscape Architecture 190 (three quarters) 3

**Restricted Electives .................. 20-25**
Select 20 units of upper division courses chosen from courses related to community sustainability ............................................. 20
Internship: Recommended .............. 5

**Total units for the major .............. 104-109**

**Major Adviser.** Stephen Wheeler

Advising Center is located in 135 Hunt Hall; 530-754-8628

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**Technotorical Studies**

See Cinema and Technotorical Studies, on page 195.

**Textile Arts and Costume Design**

See Design, on page 219.

**Textile Science**

See Fiber and Polymer Science, on page 311.

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**Textiles (A Graduate Group)**

Gang Sun, Ph.D., Chairperson of the Group

**Group Office. 129 Everson Hall 530-752-8035; [jblevins@ucdavis.edu](mailto:jblevins@ucdavis.edu); [http://textiles.ucdavis.edu](http://textiles.ucdavis.edu)**

**Faculty**

Susan Avila, M.F.A. Professor [Design]
Colin A. Carter, Ph.D., Professor [Agricultural and Resource Economics]
James Challant, Ph.D. Professor [Agricultural & Resource Economics]
Hidereage Heymann, Professor [Viticulture and Enology]
You-Lo Hsieh, Ph.D., Professor [Textiles and Clothing]

**Career Alternatives**
Graduates will choose to pursue work in government, community organizations, education, or the private sector. They will also be well-positioned to pursue graduate education in city and regional planning, landscape architecture, architecture, public policy, public administration, law, real estate, and related fields.

**B.S. Major Requirements:**

**Preparatory Subject Matter .................. 63**

English Writing/Oral Communication .... 8
Biological Sciences 2A, 2B ........ 9
One course each in Statistics, Economics, Political Science, Physical Sciences, and Sociology......................... 20
Landscape Architecture 1, 2, 3, 21, 30, 50 70 .................................................. 26

**Depth Subject Matter .................. 21**
Landscape Architecture 140, 141, 142 14
Environmental Science and Policy 171 4
Landscape Architecture 190 (three quarters) 3

**Restricted Electives .................. 20-25**
Select 20 units of upper division courses chosen from courses related to community sustainability ............................................. 20
Internship: Recommended .............. 5

**Total units for the major .............. 104-109**

**Major Adviser.** Stephen Wheeler

Advising Center is located in 135 Hunt Hall; 530-754-8628

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**Quarter Offered:** Fall, Winter, Spring, Summer

**Pre-Fall 2011 General Education (GE):** ArtHum—Arts and Humanities; SciEng—Science and Engineering; SocSci—Social Sciences; Div—Domestic Diversity; Wrt—Writing Experience

**Fall 2011 and on Revised General Education (GE):** AH—Arts and Humanities; SE—Science and Engineering; SS—Social Sciences; AGC—American Cultures; DD—Domestic Diversity; OL—Oral Language; QL—Quantitative; SL—Scientific; VL—Visual; WC—World Cultures; WE—Writing Experience
Textiles and Clothing

[College of Agricultural and Environmental Sciences]
You Lo Hsieh, Ph.D., Chairperson of the Division
Division Office, 129 Everson Hall
530-752-6650, http://textiles.ucdavis.edu

Faculty
You Lo Hsieh, Ph.D., Professor
Susan B. Kaiser, Ph.D., Professor
(November and Gender Studies)
Ning Pan, Ph.D., Professor
Gang Sun, Ph.D., Professor
Emeriti Faculty
Stephen C. Jett, Ph.D., Professor Emeritus
Cynthia Laky, M.A., Professor Emeritus
Mary Ann Morris, Ph.D., Professor Emeritus
Margaret H. Rucker, Ph.D., Professor Emeritus
S. Haig Zeronian, Ph.D., D.Sc., Professor Emeritus

The Major Program
The textiles and clothing major emphasizes the connections among (a) the physical characteristics of textile products, (b) human perceptions of and behavior toward these products, and (c) global economic trends affecting the textile/apparel marketplace. An integrative knowledge base links textile products with people and processes, to focus on the production, distribution, and consumer use of textiles and apparel; see also Fiber and Polymer Science, on page 311.

The Program. The textiles and clothing major offers two options: textile science and marketing/economics. The Textile Science option provides students with a broad knowledge base in both the social and physical sciences. This base includes production, enduse applications and care of textiles and apparel, physical and chemical properties of textiles, and social-psychological and economic aspects of textiles and clothing. The Marketing/Economics option emphasizes social science and business coursework, while also providing students with an awareness of the physical nature of textile products.

Internships and Career Alternatives. Textiles and clothing majors can pursue internships and careers in apparel production and merchandising, retail management, international marketing, textile testing and conservation, and textiles journalism. The majority of textiles and clothing graduates accept entry-level management and technical positions within the textile and apparel industry or in related fields, e.g., merchandising and marketing, production, research and development, technical service and design. Students may also pursue graduate study in textiles, business, and other areas depending on their specific selections of restricted elective coursework.

B.S. Major Requirements: 525 UNITS
Preparatory Subject Matter: 42-44

Sociology 2 ................................. 4
Statistics 13 ................................ 4
Textiles and Clothing 6, 7, 8 ............. 12

Select one of the following options:

Marketing/Economics option

Additional Preparatory Subject Matter for the option: 18-19

Management 11A-11B ............................. 8
Chemistry 10 or 2A ............................... 4-5
Mathematics 16A-16B .............................. 6

Depth Subject Matter: 56-57

Agricultural and Resource Economics 100A-100B, 106, 121A ............................. 16
Statistics 103 ...................................... 4
Psychology 151 or Consumer Science 100 ............................................. 3-4

Fiber and Polymer Science 110, Textiles and Clothing 107, 162, 162L, 163, 163L, 164, 165, 171, 173, 174 ..................... 33

Restricted Electives: 12

Courses selected from the following:

Agricultural and Resource Economics 18, 112, 142, 155, 157, 171A, 171B, Anthropology 122A, 126A, Consumer Science 100, Design 77, 107, 143, Economics 111A, 121A, 122, 132, 134, 162, and other relevant course work, Foreign language units may be used to satisfy any or all of the required 12 units, Mathematics 16C, Psychology 123, 126, 140, 141, 145, Textiles and Clothing 180A, 180B, 230, 293, with consent of instructor, and a maximum of five units in either Textiles and Clothing 192 or 199.

Textile Science option

Additional Preparatory Subject Matter for the option: 19

Chemistry 2A, 2B, 8A, 8B ...................... 16
Mathematics 16A .................................. 3

Depth Subject Matter: 51-52

Agricultural and Resource Economics 112, 113 .............................................. 8
Design 143 .......................................... 4
Psychology 151 or Consumer Science 100 ............................................. 3-4

Fiber and Polymer Science 100, 161, 161L, Textiles and Clothing 107, 162, 162L, 163, 163L, 164, 165, 171, 173, 174 ..................... 36

Restricted Electives: 16

Courses selected from the following:


Total Units for the Major: 128-132

Major Adviser: S. Kaiser
Advising Center: The major is located in 1298 Everson Hall, 530-752-8828

Minor Program Requirements:
The Division of Textiles and Clothing offers a minor program for students interested in satisfying secondary career objectives. For acceptance into the program see the staff adviser in 1298 Everson Hall.

Quarter Offered: I-Fall, II-Winter, III-Spring, IV-Summer; 2013-2016 offering in parentheses.

Pre-Fall 2011 General Education (GE): ArtHum—Arts and Humanities; SciEng—Science and Engineering; SocSci—Social Sciences; DivDom—Domestic Diversity; WRT—Writing Experience


Questions pertaining to the following courses should be directed to the instructor or to the Division of Textiles and Clothing. See also courses in Fiber and Polymer Science, on page 311.

Lower Division
6. Introduction to Textiles (4)
Lecture—3 hours; laboratory—3 hours. Introduction to the structure and properties of textiles. Consumer use and fabric characteristics are emphasized. GE credit: SciEng | SE, VL—II. (S) Sun

7. Style and Cultural Studies (4)
Lecture/course—3 hours; discussion/laboratory—1 hour. The multiple and overlapping influences of gender, sexuality, ethnicity, and class on constructions of identity and community are explored through the study of styles of everyday life and fashion. Continuity and change in clothing and appearance styles are interpreted. GE credit: ArtHum or SocSci, Div WRT | AH or SS, VL, WC, WE—II. (III) Kaiser

8. The Textile and Apparel Industries (4)
Lecture—4 hours. Textile and apparel industries including fashion theory, production, distribution, and consumption of textile goods. GE credit: SocSci, Div | SS

92. Internship in Textiles and Clothing (1-12)
Internship—3-36 hours. Prerequisite: consent of instructor. Work experience off campus in a textiles or clothing related area. Supervision by a member of the Textiles and Clothing faculty. (P/NP grading only)

98. Directed Group Study (1-3)
Prerequisite: consent of instructor. (P/NP grading only)

99. Special Study for Lower Division Students (1-5)
(P/NP grading only)

Upper Division
107. Social and Psychological Aspects of Clothing (4)
Lecture—3 hours; discussion—1 hour. Prerequisite: Sociology 2. Social and cognitive factors influencing management and perception of personal appearance in everyday life. Concepts and methods appropriate to the study of meaning of clothes in social and cultural contexts. GE credit: SocSci, Div WRT | SS, VL, WE—II. (III) Pan

162. Textile Fabrics (3)
Lecture—3 hours. Prerequisite: course 6. Properties of fabrics as related to serviceability, comfort, and appearance. GE credit: SciEng | SE, VL—II. (III) Pan

162L. Textile Fabrics Laboratory (1)
Laboratory—3 hours. Prerequisite: course 162 [may be taken concurrently]. Laboratory methods and procedures employed in studying properties of textile fabrics as related to serviceability, comfort, and appearance. GE credit: SciEng | VL, SE, VL, WE—II. (III) Pan

163. Textile Coloration and Finishing (3)
Lecture—3 hours. Prerequisite: course 6, Fiber and Polymer Science 110, or Chemistry 8B. Basic principles of textile dyeing, printing, and finishing; color theory; structure, properties, and application of dyes and finishes; factors affecting application and fastness; maintenance of dyed and finished textiles. GE credit: SciEng | SE, VL—II. (III) Sun