

SCIENCE LITERACY (SCIL)

SCIL 101 Science and Decision-Making for a Complex World

Description: Introduction to the scientific, social, economic, political and cultural dimensions of current issues related to food, energy, water, health and landscape systems. Accessing and evaluating popular and scientific media, and engaging in science-informed decision-making.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 8 Civic/Ethics/Stewardship

SCIL 101H Science and Decision-making for a Complex World

Prerequisites: Credit toward the degree cannot be earned in both SCIL 101 and SCIL 101H.

Description: Introduction to the scientific, social, economic, political and cultural dimensions of current issues related to food, energy, water, health and landscape systems. Accessing and evaluating popular and scientific media, and engaging in science-informed decision-making.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: FALL

ACE: ACE 8 Civic/Ethics/Stewardship

SCIL 109 Water in Society

Crosslisted with: AECN 109, NRES 109, ENVR 109, GEOG 109

Description: Introduction to the scientific, social, and economic dimensions of historical and contemporary water systems. Students will develop an understanding of hydrologic systems and analyze and engage in decision-making about complex challenges associated with water resource use.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: FALL

ACE: ACE 4 Science ACE 8 Civic/Ethics/Stewardship

SCIL 300 Experiential Learning in Food, Energy and Water Systems I

Prerequisites: 9 hours of coursework towards Food, Energy and Water in Society Minor and permission.

Notes: This course is part of Food, Energy, and Water in Society Minor and requires pursuing experiential learning in an approved professional or academic setting.

Description: Application of knowledge and skills from prior courses to support on-going learning about the interconnectedness of food, energy, and/or water systems.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Creative Activity

SCIL 400 Experiential Learning in Food, Energy and Water Systems II

Crosslisted with: SCIL 800

Prerequisites: 15 hours of coursework towards the Food, Energy, and Water in Society Minor including SCIL 300 (at the 400 level) or 12 hours of graduate coursework for SCIL 800, and permission.

Notes: This course is part of Food, Energy, and Water in Society Minor and requires pursuing experiential learning in an approved professional or academic setting.

Description: Development of a creative product that illustrates knowledge and skills relevant to food, energy, and/or water systems.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Creative Activity

SCIL 488 Teaching Undergraduate Science

Crosslisted with: AGRI 888, AGRI 488, SCIL 888

Description: The dynamics of undergraduate student learning. Begin to develop the reflective practice of progressive instructional improvement. Interpreting improved educational outcomes in terms of the ability of the instructor to manipulate undergraduate student interactions with instructional materials in an active learning environment.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded with Option

Offered: FALL