Drexel University

Special Topics Course Description

Term: 201335 Spring Quarter 13-14

CRN	Course	Section Title*	Instructor	Day	Begin Time	End Time	Section Description
34991	BIO 480 012	ST:Intro to Biochemistry					This course uses foundational content from cell biology (BIO 122) and Chemistry (CHEM 101 and CHEM 102) to introduce concepts in biochemistry. The course will look at how chemistry is applied to the study of biological molecules and their integration into metabolic processes in living organisms.
34992	BIO 480 013	ST:Intro to Biochemistry					This course uses foundational content from cell biology (BIO 122) and Chemistry (CHEM 101 and CHEM 102) to introduce concepts in biochemistry. The course will look at how chemistry is applied to the study of biological molecules and their integration into metabolic processes in living organisms.
35347	BIO 480 014	ST:Readings in Cancer	Little Joy	R	1830	2120	This is an advanced course on the current, primary literature in the area of cancer cell biology. Students are expected to be conversant in areas of Genetics, Cell Biology, Molecular Biology, and Cancer. This is a discussion course based on reading current manuscripts from the primary literature. This course will introduce you to experimental advances that inform cancer progression, onset, and treatment.

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35349	BIO 480 016	ST:Connections in Biology	Togna Monica	MW	1530	1650	Connections in Biology (BIO 480-016) is a new open enrollment special topics course which will give students the opportunity to make exactly that: connections. Building upon a new theme in biology each week, student will connect that material to their current Philadelphia community as well as to their future professional and personal pursuits. The course is designed on the Community Based Learning platform (CBL) and is scheduled to meet twice a week: one meeting will be a formal lecture on campus and one meeting will be at a partnered middle school with the instructor and Drexel students leading an 8 week after school science club. Course assignments would focus on taking a particular concept or skill learned in one of our Drexel courses, connecting it to the lesson demonstrated at the middle school that week, researching real world applications of that technique, and identifying careers which would utilize that technique or concept. Concepts can range from DNA extraction using common over-the counter supplies to microbiology to biodiversity and genetics. Students will gain volunteer hours, get an introduction to civic engagement, benefit from community based learning practices and connect their Drexel course material to the bigger picture in their lives.

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CRN	Course	Section Title*	Instructor	Day	Begin Time	End Time	Section Description
34323	ENVS 480 001	ST:Systems Ecology	Mead Jerry	M	1800	2050	The course teaches students how to approach complicated problems such as economics, ecosystem dynamics, or energy and society using a systems approach. Students will learn how to diagram systems, theories that explain system dynamics, and how to synthesize our knowledge using computer simulation. The class will also learn how to measure ecosystem metabolism by measuring gas exchange in the environment. Systems Ecology gives students the tools to find solutions to problems relevant to society and explain the dynamics of ecosystems.
34326	ENVS 480 003	ST:Plants, Planet, People	McCourt Richard	MWF	1500	1550	This course will provide an overview of the diversity and importance of plants to human welfare and Earth's ecosystems. Plants and other photosynthetic organisms (algae and cyanobacteria) are fundamentally important to the survival of life on Earth in providing oxygen and food for all non-photosynthetic creatures, and in supporting the basic infrastructure of human life (food supply, clothing, shelter, and ecosystem services). This course will give students of all majors an introduction to plant structure, function, and evolution. The course will be structured roughly along three themes: 1. diversity and evolution of photosynthetic life on earth; 2. function and structure of plants and algae (including photosynthesis, respiration, reproduction, genetics, and anatomy of plants); and 3. the role of plants in global ecology and human society

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CRN	Course	Section Title*	Instructor	Day	Begin Time	End Time	Section Description
34583	ENVS 280 002	ST: Native Plants & Sustnblty	Duran Daniel	MWF	1000	1050	Plants are an integral part of our daily lives in nearly every way, directly or indirectly. Increasingly, our landscapes are becoming dominated with species that are introduced from other parts of the world (intentionally or by accident), displacing many of the species that were once key components of our ecosystems. The impact of the loss of native plants is profound. This course will give students an overview of the many reasons why native plants are critically important to us, and the problems that arise when non-native plants replace them. During the course, there will be discussions about topics ranging from evolutionary theory, conservation, agriculture, public health, nutrition, and more.

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CRN	Course	Section Title*	Instructor	Day	Begin Time	End Time	Section Description
34879	WEST 465 001	ST:Intro Digital Design Tools	Zatz Diane	MW	1600	1720	Students will explore basic elements of design through the use print and web based programs including Illustrator, Photoshop, InDesign, Acrobat, Powerpoint, Word Press, and Constant Contact. They will explore the current potentials, limitations, and issues related to the use of computer software for design applications.
34880	WEST 465 002	ST: Intro Digital Design Tools	Zatz Diane	T	1830	2120	Students will explore basic elements of design through the use print and web based programs including Illustrator, Photoshop, InDesign, Acrobat, Powerpoint, Word Press, and Constant Contact. They will explore the current potentials, limitations, and issues related to the use of computer software for design applications.
35191	WEST 465 003	ST:Woodturning Techniques		MW	1500	1720	This course covers a wide range of woodturning techniques. It will provide the student with greater understanding of the characteristics of wood, and the techniques necessary to turn it into attractive and tactile designs. This course covers the evolution of woodturning with an emphasis on safety while shedding light on the lathe and all its accessories.