

<b>LFD CE Faculty Development</b>
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**LFD 8001 Abstract Algebra I (3-0) 3 crs.**

Covers modern methods, language, and ideas currently used in Algebra. Discusses algebraic structures: groups, rings, modules and fields and explores related topics.

**LFD 8002 Abstract Algebra II (3-0) 3 crs.**

Presents concepts in Abstract Algebra, covering modern methods, language, and ideas used in current work in Algebra. Develops the topics introduced in Abstract Algebra I. Discusses the application of these abstract concepts to topics that are often stated or used without full explanation in secondary mathematics. Presents topics that impact the treatment of secondary school geometry (the so-called Erlanger Program) along with results about solutions to equations.

**LFD 8003 Greening Your Curriculum I (3-0) 3 crs.**

Explores sustainability, bringing together faculty members from diverse fields. Addresses faculty who are "testing the waters" of sustainability in the curriculum and those interested in revising existing projects. Examines through discussions, readings and course materials the environmental dimensions of the campus and the region, as well as, broader national and international issues of public health, social justice, economics, and social change as they relate to sustainability.

**LFD 8004 Teaching Online Successfully (3-0) 3 crs.**

Prepares and supports faculty who are designing and teaching an online course for the first time. Utilizes various delivery formats to serve as practical application.

**LFD 8005 Applying Course Design Review Principles (2-0) 2 crs.**

Introduces and implements a peer assessment rubric that instructors can use for improving existing course designs. Introduces Web 2.0 applications to extend learning possibilities for students.

**LFD 8006 Social Equity and Environmental Justice (3-0) 3 crs.**

Prepares higher education faculty who wish to make their curriculum relevant to issues of sustainability issues across all disciplines. Identifies areas of intersection. Explores effective assessment of critical thinking skills.

**LFD 8007 Deep Learning Across the Curriculum (3-0) 3 crs.**

Juxtaposes learning theory and praxis to help educators create the foundation for "deep learning" to take place in the classroom. Explores varied "approaches" to learning, and challenges educators to recognize and facilitate the dynamics that cause students to learn deeply, substantively, and critically.

**LFD 8008 Integrative Teaching and Learning (3-0) 3 crs.**

Provides community college instructors with a comprehensive understanding of Integrative Learning through research, diverse models of design, and, actual examples from other colleges. Includes selecting a design model and creating an academically sound integrative unit or project to be implemented in one or more of the participants' classes.

**LFD 8009 Food: Think Globally/Act Locally (3-0) 3 crs.**

Explores sustainability issues related to food and its environmental dimensions. Explores ways to infuse food sustainability in curriculum and identify changes that can be made to current curriculum.

**LFD 8010 Busting Teaching Myths (3-0) 3 crs.**

Examines commonly held beliefs about teaching. Presents information grounded in evidence instead of speculation and ideology. Includes such topics as learning styles, affective learning, multi-tasking, personality assessments and generational differences among students.

**LFD 8011 Teaching Africa Today (2-2) 3 crs.**

Instructs Harper faculty on how to make their curriculum relevant to issues of internationalization. Encompasses global learning outcomes and assessment techniques, designing effective study abroad programs, and acquiring cross-cultural communication competencies. Provides instructors with field experience in East Africa and new curriculum projects for implementation upon their return.

**LFD 8012 Topics in Abstract Algebra (2-0) 2 crs.**

Emphasizes algebraic structures and properties of groups, factor groups, rings, factor rings, fields and modules. Involves the use of homomorphisms, isomorphisms, group actions, and equivalence relations.

**LFD 8013 Research: Culture of Discovery (2-0) 2 crs.**

Enhances curriculum in the area of information and research for student success. Provides opportunities to explore discipline-specific research options. Identifies student research trends and provides options.

**LFD 8014 Teach Human Rights in Rwanda/Uganda (2-0) 2 crs.**

Explores human rights issues through focus on Rwanda and Uganda. Discusses ways to teach human rights. Acknowledges students' capacity to contribute to peacebuilding.

**LFD 8015 History and Philosophy of Community Colleges (2-0) 2 crs.**

Covers the socio-historical context of the American community college movement. Explores the evolution of community college mission to present day.

**LFD 8016 Introduction to Theories of Pedagogy (2-0) 2 crs.**

Helps faculty design personal pedagogical theory and practice. Discusses selected readings and reflections.

**LFD 8017 Integrative Learning: Geospatial Techniques (2-0) 2 crs.**

Instructs higher education faculty, wishing to infuse Geographic Information Systems into their curriculum. Explores strategies and customized activities.

**LFD 8018 Complex Analysis (2-0) 2 crs.**

Provides a detailed introduction to the complex plane, analytic functions, Cauchy's Theorem, complex integration and the calculus of residues.

**LFD 8019 The Culture of Contextualization (3-0) 3 crs.**

Instructs higher education faculty and non-teaching faculty on ways to create materials and tools to foster inviting and inclusive environments and experiences for all students. Explores approaches necessary to foster welcoming and engaging learning and student service environments.

**LFD 8020 Category Theory in Mathematics (2-0) 2 crs.**

Provides introduction to Math Category theory. Generalizes ideas from diverse areas of abstract mathematics.

**LFD 8022 Construct Difference: Race/Ethnicity (3-0) 3 crs.**

Explores and examines the foundational narratives from enlightenment to the present day that have shaped thinking in the West about race, ethnicity, and racial identity. Employs the works of sociology, literature, philosophy, critical race studies, critical media studies, ethnic studies, feminist studies and science studies.

**LFD 8023 Extend Classroom/Central America (2-0) 2 crs.**

Increases faculty capacity to develop and teach concepts, issues, and materials in the area of Latin America studies. Explores global learning outcomes and assessment techniques; reviews effective study abroad design; acquires new competencies in inter-cultural communication; studies the political, economic, social, and natural history of the region; creates curriculum projects related to Central America for infusion in classes.

**LFD 8024 Central America Field Seminar (0-2) 1 cr.**

Increases faculty capacity to develop and teach concepts, issues and materials in the area of Latin America studies with a field seminar in Central America.

**LFD 8025 Creating An Accessible Learning Environment for Students With Disabilities (3-0) 3 crs.**

Provides students a basic understanding of common visible and invisible disabilities to prepare for teaching a course or program and developing methods to make a learning environment inclusive and welcoming to all students.

**LFD 8026 Comic Books and Visual Literacy in the Community College Classroom (3-0) 3 crs.**

Explores the role of visual literacy and graphic narratives in a variety of classrooms. Examines the body of critical and pedagogical theory that has developed in the field of comic studies over the last two decades.

**LFD 8027 Teaching Online Successfully: Facilitate (1-0) 1 cr.**

Prepares students to teach an online or blended course and explores best practices in online and blended course facilitation.

**LFD 8028 Teaching Online Successfully: Create (1-0) 1 cr.**

Prepares students to teach an online or blended course and explores best practices in online and blended course creation.

**LFD 8029 Constructing Curriculum (3-0) 3 crs.**

Explores the foundational narratives from multicultural education to social justice education with concepts related to critical pedagogy, social justice education, philosophy, critical theory, ethnic studies, feminist studies and sociology. Examines concepts to identify and implement social justice teaching, multicultural teaching, culturally relevant pedagogy, and critical pedagogy as it relates to understandings of how social, cultural, political and historical actions and beliefs have shaped education and curriculum throughout society and academia in the United States.

**LFD 8030 Teaching Online Successfully/Enhance (1-0) 1 cr.**

Prepares participants to enhance an online or blended course using tools to increase student engagement and improve accessibility and copyright compliance of distance course materials.