

Examples of Previously Approved CDIIP Projects

Year of Submission	Department	Division	Project Title
2015	Chemistry & Biochemistry	Division of Physical Sciences	A New Hybrid Course: The Scope of Chemistry and Biochemistry (CHEM1)
2015	Physics	Division of Physical Sciences	Online lectures/discussion sections - Phys 1A and 2A
2015	Chemistry & Biochemistry	Division of Physical Sciences	Creation of a Learning Studio to Support the Implementation of Flexible, Student-Centered, Active Learning Environments in Undergraduate Chemistry Courses.
2015	Mechanical and Aerospace Engineering	Jacobs School of Engineering	Spatial Visualization Training (SVT) App
2015	Molecular Biology	Division of Biological Sciences	Hybrid version of Circadian Rhythms coursew/ multi-media materials
2015	Linguistics	Division of Social Sciences	Development of "The Linguistics of Invented Languages" (LIGN 5)
2015	Structural Engineering	Jacobs School of Engineering	Novel concepts and innovative approaches to improve undergraduate teaching of finite element analysis
2015	Physics	Division of Physical Sciences	Teaching Physics problem solving skills using the Learning Glass technology
2015	Chemistry & Biochemistry	Division of Physical Sciences	Connected learning: Online videos for increasing learning engagement in organic chemistry
2016			
2016	Chemistry & Biochemistry	Division of Physical Sciences	Re-thinking Discussion Sections: Adapting and Implementing POGIL Activities to Improve Student Learning in General Chemistry
2016	NanoEngineering	Jacobs School of Engineering	Promoting active learning with Arduinos in smaller freshmen programming classes
2016	Education Studies	Division of Social Sciences	Undergraduates Engaged in Design-Based Research for Improving San Diego Schools
2016	Economics	Division of Social Sciences	Microeconomics and Econometrics Tutoring Labs
2016	Cell and Developmental Biology	Division of Biological Sciences	Increasing opportunities for writing-to-learn in biological sciences
2016	Ecology, Behavior & Evolution	Division of Biological Sciences	The Wild Yeasts Biodiversity Project: An authentic research experience for undergraduates in Molecular Methods in Evolution and Ecology (BIEB 123).
2016	Sociology	Division of Social Sciences	Creating a Hybrid course for First-Year Japanese Language
2017			
2017	History	Division of Arts & Humanities	Learning Beyond the Classroom Setting: A Multi-Faceted Curricular Experience for Undergraduates to Engage the History and Contemporary Life of Understudied Racial and Ethnic Communities in San Diego
2017	Chemistry & Biochemistry	Division of Physical Sciences	Postdoctoral Scholar in Chemical Education: Evaluation and Improvement of the General Chemistry Laboratory Curriculum and Pedagogies.
2017	Literature	Division of Arts & Humanities	Course Enhancement and Development in African American & African Diaspora Studies (AAADS)
2017	NanoEngineering	Jacobs School of Engineering	CENG 15R: An industry-academia collaboration to develop a for-credit, fully online MATLAB course
2017	Eleanor Roosevelt College	Colleges	Hybrid Online Making of the Modern World Transfer Course (MMW121)
2017	Mathematics	Division of Physical Sciences	Introduction to Open-Source Mathematical Software
2017	Economics	Division of Social Sciences	Problem Solving and Economics Tutoring Lab (PSET)
2017	Molecular Biology	Division of Biological Sciences	Data Curation and Analysis for Introductory Biology Laboratory (BILD 4), Stephanie Mel, Associate Teaching Professor and Stanley Lo, Assistant Teaching Professor Division of Biological Sciences
2017	Computer Science and Engineering	Jacobs School of Engineering	"Waste not, want not": Leveraging podcast footage for cheap flipped classrooms
2017	Electrical and Computer Engineering	Jacobs School of Engineering	Redesigning ECE35, the core gateway course of electrical and computer engineering, as a hybrid flipped classroom experience
2017	Sociology	Division of Social Sciences	Creating a Hybrid Course for First-Year Japanese Language: Year Two Request
2017	Psychology	Division of Social Sciences	Online training-to-mastery statistics assignments via procedurally generated problem-sets.

2018	Electrical and Computer Engineering	Jacobs School of Engineering	Redesigning ECE 65 by integrating critical thinking training videos to the course
2018	Physics	Division of Physical Sciences	New Hybrid Course Development: Topical Research Mini-Course Astrophysics Pilot
2018	Chemistry & Biochemistry	Division of Physical Sciences	Improving Student Learning Outcomes and Critical Thinking in Introductory Biochemistry Using POGIL
2018	Political Science	Division of Social Sciences	"Out of the Required Research Methods Course and into the Lower-Division Classroom: A Case Study in Expanding Undergraduate Exposure to Research in the Social Sciences"
2018	Geosciences Research Division		Modernizing the SIO Geological Teaching Collection
2018	Anthropology	Division of Social Sciences	UCSD / La Posta Kumeyaay Archaeological Field School
2018	Mathematics	Division of Physical Sciences	Linear Transformation: Flipping Discussion Sections and Realigning Scientific Computing in Linear Algebra
2018	Cell and Developmental Biology	Division of Biological Sciences	Developing students' abilities to construct scientific arguments based on data from primary literature
2018	Electrical and Computer Engineering	Jacobs School of Engineering	Transforming ECE15 into a hybrid flipped class and adapting it to better serve students with little prior programming experience.
2018	Economics	Division of Social Sciences	Game Theory Video Handbook - Phase 1
2018	Cell and Developmental Biology	Division of Biological Sciences	Generation of a shared video lecture resource to facilitate the conversion of BICD 110 (Cell Biology) to a flipped model.
2019	Electrical and Computer Engineering	Jacobs School of Engineering	Redesigning ECE 101 by preparing lecture videos and Matlab-based group projects to the course to offer it as a hybrid/flipped course in the electrical and computer engineering department.
2019	Psychology	Division of Social Sciences	Community Science
2019	Mechanical and Aerospace Engineering	Jacobs School of Engineering	MAE170 "Experimental Techniques" Lab Course Redesign with Live Demonstration Content Transfer to MAE131A "Solid Mechanics I" and MAE130C "Mechanics III: Vibrations"
2019	Chemistry & Biochemistry	Division of Physical Sciences	Chemical Thinking: Transforming CHEM 4: Basic Chemistry into a Hybrid Course to Meet Departmental Needs for a Preparatory Chemistry Course
2019	Mechanical and Aerospace Engineering	Jacobs School of Engineering	Flipped Hands-on Exercises for New Statics and Dynamics Curriculum
2019	NanoEngineering	Jacobs School of Engineering	CENG 100L: Incorporating hands-on, laboratory activities to a sophomore level chemical engineering course
2019	Mechanical and Aerospace Engineering	Jacobs School of Engineering	Flipping Machine Design Course: An Experiential Learnings approach to Design of Machine Elements
2019	Philosophy	Division of Arts & Humanities	Creating screencasts, with subtitles, as an additional modality of content delivery for Philosophy 10 Introduction to Logic.
2019	Philosophy	Division of Arts & Humanities	A Role-Immersion Game for Teaching Philosophy and Ethics
2019	Physics	Division of Physical Sciences	Flipping Physics 130A: Creating online lecture videos and interactive in-class exercises for the upper-level introduction to Quantum Mechanics
2019	History	Division of Arts & Humanities	The Great East Asian Tradition for UCSD
2019	Electrical and Computer Engineering	Jacobs School of Engineering	Creating technologies to support the flipped classroom.
2019	Communication	Division of Social Sciences	Building a Transnational Visual Archive for Teaching Media Methods to International Undergraduate Students
2019	Physics	Division of Physical Sciences	Physics 2E: A New Bridge Course from Lower- to Upper-Division Physics
2019	School of Global Policy and Strategy	School of Global Policy and Strategy	Creating Hybrid Course Learning Materials for the First-Year Japanese Language Series