



INSTRUCTIONAL PROFESSIONAL DEVELOPMENT (IPD) 2016-2017

The Instructional Professional Development Grant Program is a College-wide program that awards grants to full-time and adjunct faculty. Grants may be awarded up to \$1,000 for innovative projects, research, and activities that directly enhance instruction, improve curriculum, or provide professional development related to the instruction or enhancement of students' educational experiences.

<https://facultycentral.wordpress.com/welcome/leadership-enrichment-and-development/ipd-grants/>

Instructional Professional Development Awardees

Eastern Campus

Mr. Jim Funai, Assistant Professor, Plant Science and Landscape Technology
Dr. Bridget Kriner, Lecturer, English
Dr. Matthew Pierce, Assistant Professor, English as a Second Language
Anne Siebert, Adjunct Faculty, English as a Second Language
Dr. Heather Snell Masterson, Professor, Mathematics

Metropolitan Campus

Punya Basnayaka, Assistant Professor, Mechanical Engineering
Judith Kaplan, Program Manager II, Dietary Technology
Michael Kenney, Assistant Professor, Chemistry
Linda Lanier, Assistant Professor Counseling
Melanie Shearer, Associate Professor, Medical Assisting
Mary Thompson, Associate Professor, Library

Western Campus

Barbara Cicerchi, Associate Professor, Early Childhood Education
Sara Clark, Assistant Professor, English as a Second Language
Dr. Holly Clemens, Associate Professor, Sport and Exercise Studies
Stephanie Craig, Assistant Professor, Art
Jim Fisher, Clinical Preceptor, Nuclear Medicine
Karen Goulandris, Assistant Professor, Early Childhood Education
Karen Latterner, Clinical Preceptor, Radiography
Dr. Susan Lohwater, Associate Professor, English as a Second Language
Ted Schafer, Associate Professor, Automotive Technology
Dr. Emily Weglian, Professor, Anthropology
Robyn White, Associate Professor, Sociology

Westshore Campus

Michael Piero, Assistant Professor, English
Jonathon Williams, Assistant Professor, Physics

IPD Committee Members

Eastern Campus

Dwayne Keeney, Assistant Dean, Academic Affairs, Chair
Dr. Ellen Brook, Associate Professor, Mathematics
Lisa Donovan, Assistant Professor, Early Childhood Education
Silvana Hrepic, Assistant Professor, Spanish
John Malone, Assistant Professor, Information Technology
Dr. Matthew Pierce, Assistant Professor, English as a Second Language
Stacey Souther, Associate Professor, Psychology

Metropolitan Campus

Belinda Richardson, Assistant Dean, Academic Affairs, Co-Chair
Joan M. Tischler, Assistant Professor, Dental Hygiene, Co-Chair
Jerry Bradshaw, Assistant Professor, Nursing
Cathleen Rossman, Associate Professor, Mathematics
Patrick Stansberry, Assistant Professor, English
Brenda Stotesbery, Assistant Professor, Mathematics
Derrick Williams, Assistant Professor, Speech Communications

Western Campus

Dr. Rachel Anderson, Interim, Assistant Dean, Academic Affairs, Co-Chair
Lisa Belcher-Nelson, Assistant Professor, Counseling
Catherine Bloor, Assistant Professor, Nuclear Medicine
Dr. Kathleen Catanese, Professor, Psychology
Kevin Kondik, Assistant Professor, Philosophy, Co-Chair
Sarah Morgenstein, Assistant Professor, Visual Communications
Debra Motley, Assistant Professor, American Sign Language
Christine Phillips, Assistant Professor, Physical Education
Kelly Stady, Assistant Professor, Mathematics
Holly Troche, Assistant Professor, Veterinary Technology
Christine Wolken, Associate Professor, Art

Westshore Campus

Chandra Arthur, Assistant Professor, Business, Chair
Iryna Mahlay, Assistant Professor, Mathematics
Thomasz Kowalczyk, Professor, Biology
Amy Relyea, Assistant Professor, Mathematics

Jim Funai — Eastern Campus

“Utilizing Drones in the Classroom to Increase Learning Opportunities in the PST Discipline”

The purpose of this project is to utilize high quality video and drone technology to enhance learning in PST classrooms. Drones can be used to record PST students during the ascent and decent in training courses. Students will then be able to review their climb to analyze their technique. Climb review will create safer and better-prepared tree care professionals.

Instructors can also utilize the drone camera while inspecting mature trees for potential risk factors in the crown to stream video to student devices. It is neither practical nor safe to take an entire class of students to show the defects in a tree, nor is it efficient to take them up one by one as instructors do now. The use of the drone will allow remote inspection in a safe and effective way. This project has the potential to revolutionize the way we teach plant health care and climbing technology.

Bridget Kriner — Eastern Campus

“Pedagogical Influence on Writer Self-Efficacy: A Research Presentation at the Conference on College Composition and Communication”

The purpose of this project is to present “Pedagogical Influence on Writer Self-Efficacy: A Case Study of Basic Writing Classes” at the national Conference on College Composition and Communication (CCCC) in Portland, Oregon. Presenting this work will provide an opportunity to contribute to emerging scholarship on developmental writing in community colleges while representing Tri-C. This presentation is a direct result of Dr. Kriner’s doctoral dissertation.

This project directly supports instruction in both developmental and college-level composition courses that will be taught in Spring 2017. In addition, attending the conference will allow Dr. Kriner to interact with teachers and scholars who are actively engaged in contributing to college composition scholarships. All knowledge gained from this conference will be used to develop a faculty development session to present to Eastern campus English faculty in Spring 2017.

Dr. Matthew Pierce — Eastern Campus

“ESL Classroom Readers”

The purpose of this project is to purchase a new set of English as a Second Language (ESL) readers that will be

used to develop various reading activities. These readers will be used to engage the students by expanding their reading skills, English language knowledge and cultural experiences. Students will be divided into groups of four with each group reading a different title. Students will then work on activities based on their stories and then move on to another title. Groups will rotate through each title during this semester long reading project. The instructor will maintain a small library of ESL readers that students will be able to access.

Anne Siebert — Eastern Campus

“Attend OHIO TESOL Conference on Student Success in Columbus, Ohio”

The purpose of this project is to discover new and timely techniques and methodologies to improve student success in English as a Second Language (ESL) classes by attending the Ohio TESOL conference on Student Success. The project’s activities will include active participation at workshops and lectures relating to student success, conferring with colleagues regarding best practices, and obtaining ESL materials to share with Tri-C ESL staff.

Heather Snell Masterson — Eastern Campus

“Windows-based Tablet Integration in Eastern Campus Mathematics Instruction”

The purpose of this project is to better understand the advanced and increasingly ubiquitous technology through the purchase of a Surface Pro 4. The Surface Pro employs Windows 10 and functions as a full PC. By working with the Eastern Campus Center for Learning Excellence (CLE), the instructor will be able to hone her digital skills and also enhance her teaching techniques by utilizing this device in the classroom to access real time data and visualizations.

The CLE owns and supports hardware that can be tested and used in the classroom. It currently owns no Windows based tablets. Successful integration may lead to the purchase of and programming for a technology that offers options android and ios devices do not. Knowledge gained will be shared via Eastern campus mathematics departmental meetings and, if appropriate, participation in a CLE workshop.

Punya Basnayaka — Metro Campus

“Advancing the Materials Testing Laboratory Workstation”

The purpose of this project is to purchase metallurgical and materials microscope to support the enhancement of technology of the mechanical engineering lab and to provide applied demonstrations of several important materials testing and metallurgical concepts of materials related to microstructure for students taking MET 1300 Metallurgy and Engineering Materials course. The new microscope will allow lab experiments and students projects to run smoothly and get hands on learning on state of the art technology, enhancing student success. In addition, the new resource can be utilized for all other parallel courses, as well as student capstone project conducted by other faculty.

Judith Kaplan — Metro Campus

“Development of Dietary Manager Certificate Program Evening/Weekend”

The purpose of the project is to purchase a curriculum (Dietary Manager Certificate Program Curriculum) to create an evening and weekend scheduling of the certificate program currently in existence. This would provide a noncredit option that would meet industry needs more quickly. The new 2016 Centers for Medicare regulations require that the person in charge of food and nutrition services have the credential of Certified Dietary Manager. There is a time frame that allows those currently in the position to complete their credentialing process.

Michael Kenney — Metro Campus

“Hands-On Chemistry Experiments for use in CHEM 1010 BOTH online and Face-to Face”

The purpose of this project is to purchase and test supplies needed for the development of six new experiments that can be completed either at home or in the Tri-C lab. The end result will be a supply list that can be acquired by the students at the grocery or home improvement store, or perhaps through a kit offered at the Tri-C bookstore. The intent is to create new experiments that will be used by both online and face-to-face courses, calibrating the experience for both types of course offerings.

Linda Lanier — Metro Campus

“Black Diamonds: Vision, Education and Community Engagement”

The purpose of this project is to set in place a support structure for African American women and girls, enabling access to information, programming, educational alternatives and services which increase emotional wellbeing, educational success and financial stability. The goal of the conference is to bring together institutions, organizations, community partners and individual who will provide continuous contact opportunities for African American women and girls in the greater northeast Ohio area.

Melanie Shearer — Metro Campus

“CoaguChek Handheld Coagulation Analyzer-Medical Assisting”

The purpose of this project is to purchase the instrument for the MA program allowing students to become proficient in the use of the CoaguChek prior to caring for patients in practicum settings and beyond in the workplace after program completions.

Mary Thompson — Metro Campus

“Studio 101 Graphic Novel Collection”

The purpose of the project is to purchase a collection of reading materials that students could easily read in a short time period in Studio 101. After consultation with individuals responsible for activities in Studio 101, it was determined that a collection of graphic novels would work best since they are brief and visually appealing to students. The format would encourage students to enjoy a short break in their day with entertaining reading material. In addition, to promoting recreational reading, the graphic novel format encourages reluctant readers and allows students to explore a range of topics as well as increasing reading comprehension through the use of detailed images and concise text. The graphic novel collection will thereby support literacy and lifelong reading skills.

Barbara Cicerchi — Western Campus

“Digital Camcorder for Practicum Students”

Ten years ago a camcorder with mini DVD’s was purchased for the ECED department. This have been used to record students in their two practicums, ECED 1860 (120 hours per semester) and ECED 2870 (student

teaching 240 hours per semester). This camcorder has become outdated: batteries and cords at times are unreplaceable; the recorded time is limited to only 22 minutes per DVD; it is difficult to buy the mini DVD's; and the students at times do not have DVD capability on their laptops. I am requesting funds to replace this DVD camcorder with a digital camcorder, which will allow us to send students their recording by their instructor directly through their email.

Sara Clark — Western Campus

“Sony Language Lab Hardware Updates”

This IPD Grant asked specifically for funding to purchase a full set of cables for the headsets in GT206, the ESL language lab. The Sony Soloist software is an integral part of our language program. Sony Soloist is a state-of-the-art recording software system that allows users to make high-quality sound recordings in the classroom and to participate in a wide variety of speaking and listening activities. Students can create sound files on the Sony system individually, in pairs or in groups. Students love the intimate nature of speaking to peers through headsets and having control over the recordings they make. Using the program is less inhibiting than speaking in class because the audience is limited and students can monitor and correct their own speech patterns without feeling intimidated by speaking in front of a larger group.

Dr. Holly Clemens —Western Campus

“Lab Equipment for Sport and Exercise Studies Program and PE Department”

The IPD grant funds was used to purchase materials for PE classes, CPR classes and the Sport and Exercise Studies (SES) program courses. The equipment received from the grant consisted of resistance tubing J-Bands, cross-linked foam mats, Body Sport resistance tubing and adult CPR Buddy manikins. This particular equipment was needed to meet the trends in the fitness industry and enhances the skills of the SES students. Enhanced skills can equate to better student success, student outcomes and employment opportunities. Additionally, the grant provided up-to-date and proper equipment for students in the PE and HLTH/CPR classes to further enhance their learning experiences.

Stephanie Craig — Western Campus

“Empty Bowls Project 2017”

The purpose of the Empty Bowls Project is to engage Tri-C students in a creative activity that works towards social justice. The project’s activities will include several studio work sessions where students will make handmade ceramic bowls, to be donated to the Kiwanis Club of Berea.

The Kiwanis Club of Berea, Ohio hosts an annual ‘Empty Bowl Supper’ to raise awareness and funds for local hunger-fighting programs. Guests at the fundraiser event are served a simple dinner of soup in a handcrafted ceramic bowl. The bowl is then theirs to keep as a reminder of “all the empty bowls in the world”. In exchange for the meal and the bowl, guests contribute a suggested minimum donation. Proceeds donated to Berea Community Outreach, Church Street Ministries, PCC Food Pantry and SCAN.

Jim Fisher — Western Campus

“Three Nuclear Medicine Dose Calibrator Quality Control Barium – 133 Sources”

Dose calibrators are used in the Nuclear Medicine Program. A dose calibrator is an ionization chamber that measures the doses prior to injecting patients. It is a vital lab instrument regulated by State guidelines and is used continually by the Nuclear Medicine Technologists throughout a shift. Quality control must be done every day on the dose calibrator.

In our Nuclear Lab, we have four workstations for students and each station has a dose calibrator. We have only ONE Barium-133 radioactive source. Students must wait for each station to complete their task before starting their own because of the limited quantity and delaying their projects in Nuclear Medicine Lab Project manual. We are asking for THREE additional Barium-133 sources to expedite the educational process.

Karen Goulandris — Western Campus

“Speaker for Supporting Music in Early Childhood Education”

Students in early childhood education teacher preparation programs need to develop skills in identifying and using professional resources. This is one of the standards for graduates of associate degree programs in early childhood education. With this being said, the Tri-C Early Childhood Education (ECED)

program brought speaker, Kathy Reid-Naiman to Tri-C to present on the topic of the importance of music in early childhood education. Ms. Reid-Naiman a music specialist who recognizes the importance of music in the early years as a way to support children's early development of language and literacy skills. Ms. Reid Naiman teaches music and movement classes for children [aged 6 months to 5 years] and is dedicated to bringing quality music experiences to young children. Research has identified early skills of language and literacy as important predictors for children's school readiness, and their later capacity to learn academic knowledge (National Early Literacy Panel, 2008).

Karen Latterner — Western Campus

“2017 Annual Meeting of the Ohio Society of Radiologic Technologists (OSRT)”

Every year the Ohio Society of Radiologic Technologists (OSRT) hosts an annual educational meeting and Quiz Bowl competition somewhere in Ohio. Various radiography programs throughout Ohio send students to this meeting to learn, network and compete. Each year Tri-C sends a group of senior students to the meeting and the competition. The Spring 2017 meeting will be held in Columbus, Ohio this year.

The IPD grant would allow registration for eight students engaged in competing in the Quiz Bowl. It would also afford them lodgings at the hotel where the conference is held.

Dr. Susan Lohwater — Western Campus

“Student Travel and Presentation at Conflict and Resolution Conference at OSU Spring Break 2017”

Students from the International Club and The Student Peace Alliance have attended and presented at this international conference almost every year for the past six years. Last year they presented in Columbus, OH on activities that promote tolerance and understanding between different groups of students. In the past, they have presented on various issues: religions, cultural customs which may be misunderstood thereby leading to conflict, etc.

Ted Schafer — Western Campus

“Using the ESCAN Pro Scan Tool Software Package to Train Students to Diagnose Individual Fuel System Faults on Direct Injected Engines”

As automakers continue to develop new technologies to decrease vehicle emissions traditional port fuel injection systems are rapidly being replaced with more complex Direct Injection Fuel Injection Systems which are now becoming commonplace on modern vehicles. Students need to be knowledgeable with operation and diagnosis of these fuel systems, so that vehicle components can be diagnosed when needed. The requested ESCAN Pro Scan Tool Software is able to graph out trends in these failures, which makes it more straightforward to interpret and diagnose these failures. Additionally, the software can store this information so the student (technician) can review test data at a later time or right after a short road test. This software will support students as they learn to perform diagnosis of these systems. It will also help them to interpret test results rather than unnecessarily replace parts due misunderstanding of various system components.

Emily Weglian — Western Campus

“Annual Enrichment of the Biological Anthropology Skeletal Collection”

The proceeds from this grant will be used to purchase materials for lab exercises for ANTH 1210 Human Evolution and to expand the Biological Anthropology collection founded in 2010 with the help of IPD grants and funds from the Social Sciences Division capital equipment budget. The Human Evolution Course still lacks some basic and vital specimens to give students the most complete experience in learning about living and extinct humans, and our primate relatives. Materials are used every Fall and Spring Semester in the ANTH 1210 Human Evolution lab, as well as in professional development activities with other faculty. This year, I want to purchase some new skeletal materials (H. erectus and H. heidelbergensis skulls and a reconstruction of Lucy's pelvis) as well as one small digital slide caliper, and some replacement batteries for the calipers already purchased in previous years. All of the materials in this collection are and will be utilized in the ANTH 1210 Human Evolution course. They will be utilized in any future course offerings for Biological Anthropology and will be used for professional development possibilities for faculty.

Robyn White — Western Campus

“Honors Sociology Research Experiences”

Honors Introductory Sociology students (Fall 2016 semester) continued the research project started by the Spring 2016 Honors Sociology class by further examining reactions to Tri-C’s new Tobacco Free Campus initiative. Honors Social Problems (Spring 2017 semester) students developed a new research project examining the influence of media on gender identity. In addition to learning social science data gathering techniques, students from both courses also had the opportunity to attend as well as submit presentation proposals to two conferences: the Northeast Ohio Undergraduate Sociology Symposium and the Tri-C Research Symposium. Eight students attended the first symposium (three-presented research) and approximately 10 students attended the second. IPD funds were used to print posters, attend conferences, and provide incentives to research participants.

Michael Piero — Westshore Campus

“Mobile technology to support small group recitations”

Having tripled in size in just over the past year, the Honors Program at Westshore would like to expand its opportunities for students to become engaged in scholarship, research, and the discussion of critical issues facing our local community. The requested IPD grant would be used for three purposes: to bring in a local guest speaker to discuss a crucial issue related to our community with our students, including perhaps a discussion of race relations in Cleveland from two authors who have an anthology of essays related to race in the Cleveland area. The grant would also be used to purchase copies of the selected book for interested Honors Program members at Westshore to receive, with the expectation they would read the book and discuss this matter with the guest speaker at this event, thus giving them the experience of co-presenting on a discussion panel in service to their academic community. Finally, half of the IPD grant would be used to fund Honors Program members to travel to and, ideally, present at a nearby undergraduate academic conference, which the Honors Program Coordinator would help facilitate. The opportunity to present one’s research and experience the professional development inherent to conference attendance would be an enriching scholarly experience for our students, especially those who plan to transfer to a 4-year university.

Jonathon Williams — Westshore Campus

“Engaging Physics Students in Blended Learning”

The majority of the physics courses at the Westshore campus are offered in a blended-learning format with a large percentage of the course content being web-based. It is important that web-based activities within Blackboard are creatively designed to enhance student learning engagement. A lecture computer is limited in its ability to deliver interactive course content effectively, and it is essential that the face-to-face component of the course is delivered efficiently. This proposal request to purchase a pen tablet and headset offers the versatility to create class lectures that are more fluid and interactive in portraying concatenated problems in physics. Descriptive image editing, such as force diagram, current flow in convoluted circuit, and the inherently three dimensional characteristics of electromagnetism, can readily be drawn and overlaid using a pen tablet. In-class lecture annotation and classroom problem solutions carried out with the pen tablet can easily be recorded with available instructional software that can then be implemented into a course Blackboard site for viewing at the student convenience. The requested items will therefore allow for the design and development of course resources in a format that will support student learning in a blended-learning environment.