Youngstown
STATE UNIVERSITY

BOARD OF TRUSTEES
ACADEMIC QUALITY AND STUDENT SUCCESS COMMITTEE
Delores E. Crawford, Chair
John R. Jakubek, Vice Chair
All Trustees are Members
James P. Tressel, *Ex-Officio*

BACKGROUND MATERIALS
Tuesday, March 15, 2016

1. **Grants and Sponsored Programs Report**   Tab 1
   The Second Quarter Report from the Office and Grants and Sponsored Programs is presented
   for the Board of Trustees' information.

2. **Current Accreditation Activity and Higher Learning Commission Update**   Tab 2
   The report on accreditation activity shows recent accreditations and upcoming site visits and
   documents submitted.

3. **Low Enrollment Courses and Programs.**   Tab 3
   The report sent to the Ohio Department of Higher Education, as required by Ohio Revised
   Code 3345.35., is presented for the Board of Trustee's information

4. **MOU on Distinguished Professors**   Tab 4
   The MOU on Distinguished Professors is presented for the Board of Trustees' information.

5. **Academic Programs Update**   Tab 5
   The report outlines new program development.

6. **Tenure List**   Tab 6
   A list of administrators who were awarded tenure to take effect in the 2015-2016 academic
   year is attached.

7. **Research Professorship List**   Tab 7
   A list of faculty who were granted research professorships for 2016-2017 is provided. Each
   year no fewer than eighteen (18) faculty members whose unsubsidized research is deemed
   meritorious of support shall be designated "Research Professors" and awarded a workload
   reduction of a minimum of six (6) hours to a maximum of nine (9) hours to pursue research.
   The total number of hours distributed will be no less than 162 hours.

8. Faculty Achievements

Tab 8

A list of recent faculty scholarly work and accomplishments is attached.

YOUNGSTOWN STATE UNIVERSITY

School of Graduate Studies and Research

Office of Grants and Sponsored Programs

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FIRST QUARTER REPORT - FY2015-2016

July 1, 2015 - September 30, 2015

EXECUTIVE SUMMARY

First Quarter Report - FY2014-2015
July 1, 2014 - September 30, 2014

(Includes previous year comparison)

SUBMITTED PROPOSALS (Number)

	FY2014-2015 First Quarter 7/1/2014-9/30/2014		FY2015-2016 First Quarter 7/1/2015-9/30/2015	
TOTAL PROPOSALS	$	7,226,301 (28)	S	9,019,716 (22)

	YTD - FY2014-2015 7/1/2014-9/30/2014		YTD - FY2015-2016 7/1/2015-9/30/2015	
TOTAL PROPOSALS	$	7,226,301 (28)	S	9,019,716 (22)

FUNDED PROPOSALS (Number)

	FY2014-2015 - First Quarter 7/1/2014-9/30/2014		FY2015-2016 - First Quarter 7/1/2015-9/30/2015	
TOTAL PROPOSALS	$	1,684,840 (25)	S	1,658,418 (15)

	YTD - FY2014-2015 7/1/2014-9/30/2014		YTD - FY2015-2016 7/1/2015-9/30/2015	
TOTAL PROPOSALS	$	1,684,840 (25)	S	1,658,418 (15)

PROPOSALS SUBMITTED TO EXTERNAL FUNDING SOURCES
First Quarter Report - FY2015-2016
July 1, 2015 - September 30, 2015

PRINCIPAL INVESTIGATOR	DEPARTMENT	FUNDING SOURCE	PROJECT TITLE	AMOUNT
Andrews, James	Physics & Astronomy	National Science Foundation through Case Western Reserve University	YSU Affiliation with NSF-STC Center for Layered Polymeric Systems (CLiPS)	$ 40,000
Bralich, John	Center for Urban & Regional Studies	City of Youngstown, Ohio	Mahoning Valley Collaborative Code Enforcement System	7,505
Conner, Brett	Mechanical & Industrial Engineering	Air Force Research Laboratory through America Makes	Maturation of Advanced Manufacturing for Low Cost Sustainment	4,000,000
Conner, Brett/ Vuksonovich, Brian	Mechanical & Industrial	Office of Naval Research	Design and Fabrication of Impact Resistant Functionally Graded	459,000
Conner, Brett/ Wallace, Daryl/ Meyers, K./ Vuksanovich, B.	Mechanical & Industrial Engineering	Air Force Research Laboratory (Prime: UDRI)	Baselining Additive Manufacturing Use for Aerospace Sustainment	368,700
Cortes, Pedro/ Wagner, Tim/ Manogharan	Civil/Environmental & Chemical Engineering	National Science Foundation	Tribological Behavior of Additively Manufactured Biomedical Titanium Alloy in Corrosive Environment	307,634
Floyd, Arlene	Associate Degree & Tech Prep Programs	Ohio Department of Education through the University of Akron	College Tech Prep Pathway Development	167,467
Genna, Douglas	Chemistry	American Chemical Society	Template Directed Synthesis of Metal Organic Frameworks: Library Development and Mechanistic Evaluation	55,500
King, Tammy	Bitonte College of Health & Human Services	ACE and the Bill & Melinda Gates Foundation	Alternative Credit Project	3,000
Langarica, Alicia Prieto	Mathematics & Statistics	National Science Foundation	Precision Medicine Using Adaptively Randomized Mobile Interventions (PARMI)	16,936
Manogharan, Guha	Mechanical & Industrial Engineering	National Science Foundation	Characterizing the Effects of Vibration Conditions and Temperature during Rapid Solidification	132,992
Manogharan, Guha	Mechanical & Industrial Engineering	National Science Foundation	Tribological Behavior of Direct Metal Deposition (DMD)-Built Biomedical Grade Cobalt Chromium Alloy in Corrosive Environment	212,798
Meyers, Kerry	Mechanical & Industrial Engineering	National Science Foundation	Developing STEM Professionals	989,128
Pallante, Martha/ DeBlasio, Donna	History	Home Savings & Loan Foundation	Home Savings and Loan Archive Project	10,000
Pallante, Martha/ DeBlasio, Donna	History	Leonard & Gina Schiavone	Graduate Assistant Intern at the Youngstown Historical Center of Industry and Labor	7,875

Pallante, Martha/ DeBlasio, Donna	History	Ohio History Connection	Graduate Assistant Intern at the Youngstown Historical Center of Industry and Labor	7,875
Rodabaugh, Stephen	College of STEM	Ohio Board of Regents	YSU-COFSP -08-09: Student Success in Mathematics	981,520
Sharif, Bonita	Computer Science & Information Systems	National Science Foundation	Empowering Software Engineering with Eye Tracking	429,878
Sharma, Suresh	Civil/Environmental & Chemical Engineering	National Oceanic and Atmospheric Administration	Development of a Flood Warning System Incorporating Ice Jam in Changing Climate	280,344
Unger, Darlene	Rich Center for Autism; Counseling, Special Education & School Psychology	U.S. Department of Education Office of Postsecondary Education	Ohio's Statewide Consortia: Enhancing Employment for Postsecondary Students with ID	139,964
Wagner, Nancy	Nursing	Arnold P. Gold Foundation and American Association of Colleges of Nursing	2015 Gold-AACN White Coat Ceremony for Nursing	1,000
Yu, Feng	Computer Science & Information Systems	National Science Foundation	A New Write Optimization Framework for Read-Optimized Out-of-Core Column-Store Databases	400,600

Total Proposals Submitted to External Sources First Quarter FY2016 $ 9,019,716

PROPOSALS FUNDED FROM EXTERNAL SOURCES
First Quarter Report - FY2015-2016
July 1, 2015 - September 30, 2015

PRINCIPAL INVESTIGATOR	DEPARTMENT	FUNDING SOURCE	PROJECT TITLE	AWARD	INDIRECT COST	YSU COST SHARE
Brothers, Leslie	McDonough Museum	Ohio Arts Council	OAC Sustainability Grant FY2016-2019	S 12,352	-	12,352
Conner, Brett	Mechanical & Industrial Engineering	Air Force Research Laboratory	Baseline Additive Manufacturing Use for Aerospace Sustainment	174,197	27,143	-
Floyd, Arlene	Associate Degree & Tech Prep Programs	Ohio Department of Education through the University of	College Tech Prep Pathway Development	78,281	5,799	-
George, Ricky	Center for Human Services Development	U.S. Department of Education through Ohio Department of Education	East Liverpool Elementary Afterschool--LMAP--Year 1	200,000	-	-
George, Ricky	Center for Human Services Development	U.S. Department of Education through Ohio Department of Education	Brookfield Elementary Afterschool--LMAP--Year 1	200,000	-	-
George, Ricky	Center for Human Services Development	U.S. Department of Education through Ohio Department of Education	Campbell Elementary Afterschool--LMAP--Year 1	200,000	-	-
Harper Woods, Sherri	Upward Bound	U.S. Department of Education	Upward Bound at Youngstown State University FY2012-2017--Year 4	249,998	14,697	102,092
King, Tammy	Bitonte College of Health & Human Services	American Council on Education	Alternative Credit Project	3,000	-	-
Lovelace-Cameron, Sherri	Chemistry	American Chemical Society	American Chemical Society Project SEED FY2015	5,500	-	-
Marie, Hazel	Mechanical & Industrial Engineering	Ohio Space Grant Consortium	OSGC Scholar Program	5,000	-	2,000
Morawski, Dennis	Social Work	U.S. Department of Health & Human Services through the Ohio Department of Jobs and Family Services	University Partnership Program FY2016 & FY2017	123,250	8,250	-
Pallante, Martha	History	Home Savings & Loan	Home Savings & Loan Archives Project	10,000	-	6,750
Rodabaugh, Stephen	College of STEM	Ohio Board of Regents	Choose Ohio First Scholarship, FY2016 & FY2017	302,400		387,163
Wagner, Nancy	Nursing	The Arnold P. Gold Foundation	2015 Gold-AACN White Coat Ceremony for Nursing	1,000	-	-
Wagner, Nancy	Nursing	Ohio Board of Nursing	Ohio Board of Nursing: Nurse Education Grant Program (NEGP)	93,440	-	-
Total Proposals Funded by External Sources First Quarter 2016				**S 1,658,418**	**$ 55,889**	**$ 510,357**

CURRENT ACCREDITATION ACTIVITY
March 2016

Summary of recent site visits:
- No site visits have occurred since the last Board of Trustees meeting.

Summary of recent accreditation actions:
- On February 5, 2016, YSU received the report from the Higher Learning Commission's (HLC) Multi-Location Visit. This report assesses YSU's academic programs offered at Lorain County Community College, Lakeland Community College, and Butler County Community College in Butler, Pennsylvania. The report confirmed that the pattern of operations at the locations is adequate, and no follow-up review or monitoring is necessary. The purpose of the Multi-Location Visit is to confirm the continuing effective oversight by the institution of its additional locations. YSU offers programs in social work, criminal justice, Allied Health, health and human services, public health, and early childhood education at one or more of the locations.

Details:

Program	Status
Art National Association of Schools of Art and Design (NASAD)	Self-study submitted March 2006. Site visit conducted April 2006. In Oct. 2006, NASAD granted continued accreditation for the BA in Art History, the BFA in Fine Arts in Studio Arts, and the BS in Education (Art Education) through 2015-16. NASAD approved the MA in Art Education for final listing in November 2011. Next accreditation visit scheduled for 2015-2016. Plan approval applications were submitted to NASAD for painting/printmaking and digital media studio programs. NASAD granted plan approval for BFA: Studio Art: Painting/Printmaking and deferred action on plan approval for BFA Studio Art: Digital Media. A response to the concern was sent, and the department is waiting for October's Commission action. The consultant's comments and recommendations will be used in preparation of the self-study document for the accreditation visit scheduled for spring 2016.
Business AACSB International—The Association to Advance Collegiate Schools of Business	The AACSB Board of Directors has ratified the recommendation to extend the AACSB accreditation of the YSU BSBA and MBA programs. The next review is scheduled for 2019-2020. The WCBA was commended in seven different areas including the co-location of its centers, the physical facility, faculty engagement, leadership team, advisory councils, partnership with the business incubator, and required professionalism course.
Chemistry American Chemical Society (ACS)	An annual report is submitted each August/September. A periodic, five-year program review was submitted in July 2009. Because of reorganization at the ACS, the next review will likely occur sometime during the 2015-2016 academic year.

Counseling Council for Accreditation of Counseling and Related Educational Programs (CACREP)	CACREP granted full accreditation to the MS. Ed. in Counseling—Addiction Counseling, Clinical Mental Health Counseling, School Counseling, and Student Affairs/College Counseling program tracks for the full eight-year period, until March 31, 2023.
Dental Hygiene American Dental Association	Self-study for continuing accreditation of the Dental Hygiene program submitted in February 2010. Site visit occurred April 27-28, 2010. The program received full accreditation "without reporting requirements." Next site visit is scheduled for 2017.
Dietetics Program Academy of Nutrition and Dietetics; Accreditation Council for Education in Nutrition and Dietetics (ACEND)	The five-year midpoint Program Assessment Reports (PAR) for the Coordinated and Didactic Programs in Dietetics and the Dietetic Technician programs are due in November 2015. The next re-accreditation site visit will be in 2020. ACEND has reduced the accreditation cycle from 10 years to seven years for all programs currently applying for accreditation and re-accreditation, which will affect the next re-accreditation. The Dietetic Tech program at Lorain County Community College will be discontinued following the graduation of the current cohort due to low enrollment. Despite intense marketing and recruitment efforts, there have been no new applicants to the program. Given that only five students comprised the first cohort, it was no longer fiscally responsible to continue this program offering.
Education and Licensure Programs National Council for Accreditation of Teacher Education (NCATE) Accreditation occurs at the unit (BCOE) level.	The NCATE site visit took place March 20-24, 2010. On November 5, 2010, NCATE sent official notice that accreditation "is continued at the initial teacher preparation and advanced preparation levels." YSU meets all 6 NCATE standards. The next site visit will take place in spring 2017.
Emergency Medical Services State of Ohio Department of Public Safety / Division of Emergency Medical Services Commission on Accreditation of Allied Health Education Programs—EMS Professions (CoAEMSP—CAAHEP)	Self-study submitted to the Ohio Department of Public Safety Division of EMS Dec. 2010. Site visit was conducted on May 2, 2011. The EMS program was granted full accreditation for five years. The 2011 site team reported no citations at the exit meeting. A request for re-accreditation was submitted to CAAHEP on September 29, 2014. The self-study was submitted in May 2015, and the site visit will occur March 3-4, 2016. The re-accreditation by the Ohio Department of Public Safety will occur concurrently with the CoAEMSP process.
Engineering Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET)	The Electrical Engineering, Industrial Engineering, and Mechanical Engineering programs are fully accredited by ABET until September 30, 2020. A request to ABET by January 31, 2019, will be required to initiate a reaccreditation visit. YSU has requested the initiation of a reaccreditation report evaluation for its Civil Engineering and Chemical Engineering programs.
Engineering Technology Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC-ABET)	ETAC-ABET granted continuing accreditation in August 2012. CCET (AAS), CCET (BSAS), EET (AAS), EET (BSAS), MET (AAS), and MET (BSAS) have been accredited through September 30, 2018.

Foreign Languages ACTFL (American Council on the Teaching of Foreign Languages) Recognition for French Education, Italian Education, and Spanish Education	Resubmission of the French Education, Italian Education, and Spanish Education programs to ACTFL in October 2013 has resulted in national recognition for all three programs effective January 31, 2014.
Forensic Science American Academy of Forensic Sciences (AAFS)	Application for initial accreditation pending; self-study and site visit to follow.
Medical Assisting Technology American Association of Medical Assistants (AAMAE) / Commission on Accreditation of Allied Health Education Programs (CAAHEP)	Most recent accreditation July 2004. Reaccreditation self-study was submitted December 27, 2012. The site visit is scheduled for May 6-7, 2013. CAAHEP granted the program continuing accreditation for a full ten years. The next review will occur in 2023.
Medical Laboratory Technology National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)	Most recent accreditation in 2006. Reaccreditation self-study was submitted to NAACLS May 1, 2012. Site visit occurred October 15-16, 2012. Program received no citations or recommendations. NAACLS awarded continuing accreditation for the full seven years until April 30, 2020. Submission of the next Self-Study Report will be due April 1, 2019, and a site visit will be scheduled during Fall 2019.
Medical Laboratory Science National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)	A letter requesting an initial accreditation application was submitted to NAACLS on October 10, 2014. NAACLS approved the application and preliminary report. The self-study will be due in 2016, and the site visit will likely occur in 2017 following graduation of the first class.
Music National Association of Schools of Music (NASM)	In June 2012, the NASM Commission on Accreditation voted to continue YSU and the Dana School of Music in good standing. A follow-up report on activities was sent to NASM. In June 2013, the NASM Commission on Accreditation voted to accept the YSU progress report. The next full review will take place in 2020-2021.
Nursing Accreditation Commission for Education in Nursing (ACEN)	Self-study for BSN, MSN, and post-Master's certificate submitted January 2014; site visit conducted February 18-20, 2014. Next Evaluation Visit: Spring 2022. Follow-up Report: Fall 2016.
Physical Therapy Commission on Accreditation in Physical Therapy Education (CAPTE)	Accreditation report for the Physical Therapy Education program submitted spring 2004. Self-study for master's program submitted February 2004; site visit conducted April 19-21, 2004. Notice of 10-year accreditation received November 19, 2004. Progress report submitted August 15, 2005, and accepted in October 2005; CAPTE continued the accreditation granted the year before. The department submitted an additional progress report in August 2006, and CAPTE found the program in full compliance. In October 2006, the Commission continued the accreditation granted in 2004. The MPT has been discontinued. Accreditation now

Physical Therapy (continued)	applies to the DPT program approved by the Higher Learning Commission in 2008. A site team from CAPTE visited YSU from April 27-30, 2014, for a self-study visit for the DPT program. The self-study was submitted February 2014 for this visit. The site team gave a favorable report. Ten-year accreditation was reaffirmed in writing on November 12, 2014, with a compliance report due February 15, 2015. This report was submitted, and on 4/29/15 CAPTE granted the program continuing accreditation with the next scheduled self-study and site visit in spring 2024.
Public Health (Consortium of Eastern Ohio Master of Public Health) Council on Education for Public Health (CEPH)	The MPH is offered by a consortium of six institutions, including YSU. Initial accreditation earned in 2003. Site visit occurred April 20-21, 2009. In October 2009, the Council renewed accreditation for seven years, until December 31, 2016.
Respiratory Care and Respiratory Care "Polysomnography Specialty Option" Commission on Accreditation for Respiratory Care (CoARC)	The Polysomnography [Sleep-Study] Specialty Option in the Respiratory Care program received "continuing accreditation" September 19, 2008, and will undergo accreditation review with the respiratory care program. A progress report is submitted annually. Self-study documents for the BS in Respiratory Care and Polysomnography Specialty Option were submitted on August 28, 2010. The site visit for Respiratory Care and Polysomnography took place in February 2011. CoARC granted both programs full continuing accreditation, with no further progress reports due. The next site visit is scheduled for 2018. Due to increase in demand, the Respiratory Care program applied to CoARC to be able to accept additional students into the Polysomnography program. The program received approval to increase the number of students from 11 to 18 per cohort.
Social Work Council on Social Work Education (CSWE)	Following submission of reaffirmation materials in April 2012 and an on-campus site visit in October 2012, the Bachelor of Social Work program earned re-affirmed accreditation status in February 2013. This accreditation status remains in effect until February 2021. In February 2012, the Council on Social Work Education granted reaffirmation of accreditation of the Master of Social Work Program. The program remains in accredited status until 2020. In October 2014, Significant Program Changes reports were submitted to the Council on Social Work Education for expansion of the Master of Social Work degree program offerings at Lorain County Community College and Lakeland Community College sites. No further action is necessary until the reaffirmation of accreditation report is due in 2020.

Theater	Self-study submitted summer 2006; site visit conducted October 5-6, 2006. In April 2007, NAST renewed accreditation, commended YSU for addressing program needs and making Theater a "free-standing" unit, and requested a follow-up report. The follow-up report was accepted, and the program is in full compliance. Next renewal and on-site visit was to occur in 2016-17. A non-binding site visit in preparation for 2016-17 review occurred in May 2014. YSU was granted a one-year extension for self-study based upon campus discussions regarding Program Improvement Plans, program review, and potential college reorganizations. The self-study document is being written in preparation for a Fall 2017 review.
National Association of Schools of Theater (NAST)	

Update on Assessment of Student Learning

YSU has made and continues to make progress in fostering meaningful and relevant assessment of student learning, including assessment of the General Education program:

- **General Education:** Progress continues on the two initiatives begun in 2011 to assess the general education program: the ROAD project initiative and the domain assessment initiative.

  The Office of Assessment, General Education, and the Writing Center have been developing ways to incorporate writing and information literacy frameworks into the writing improvement phase of the project. The goal is to create pathways for programs to increase the number and improve the quality of writing-related activities.

  In fall 2015, General Education began two new assessment projects: 1) Performance-Project General Education Assessment and 2) General Education Course Review. The Performance-Project Assessment will use "messy assignments" to holistically assess general education goals at the capstone level. A pilot of this assessment program will take place during the 2015-16academic year. In addition, General Education has begun investigating the use of course portfolios to periodically review courses in General Education domains. Criteria and sample portfolios are to be developed during the 2015-16 academic year.

- **Writing Curriculum Maps:** Assessment and General Education have partnered to use existing assessment reporting structures to gather curriculum data on writing outcomes in conjunction with program assessment reports. Undergraduate academic programs were trained in submitting Writing Curriculum Maps, a conceptual curricular mapping tool that outlines the expectations for the development of writing skills for required courses in academic majors. A total of 61 (66%) of all undergraduate programs have submitted writing curriculum maps to date.

This intersection between general education writing and academic program learning outcomes is an area of focus in the HLC Criteria for Accreditation. The aim is to better articulate variations in writing development that are inherent and appropriate to various disciplines, to foster discussions among faculty about curricular expectations around writing communication, and to promote dialogue at the campus level about how to use best practices to improve writing development and achievement. Results from these maps will be used in support of the general education assessment plan and in a fall 2015 writing symposium.

- **Critical Thinking Curriculum Maps:** Assessment and General Education have partnered to use existing assessment reporting structures to gather curriculum data on critical thinking outcomes in conjunction with program assessment reports. Undergraduate academic programs were trained in submitting Critical Thinking Curriculum Maps, a conceptual curricular mapping tool that outlines the exceptions for the development of critical thinking skills for required courses in academic majors.

This intersection between general education critical thinking and academic program learning outcomes is another area of focus in the HLC Criteria for Accreditation. Undergraduate programs will be asked to develop critical thinking curriculum maps for spring 2016

- **Assessment in Academic Program Review:** The Office of Assessment (OOA) has been participating in the development of academic program review guidelines in support of HLC expectations regarding regular program review for program evaluation and continuous improvement. Best practice as well as YSU's HLC Academy mentor advise inclusion of a complete assessment cycle evaluation as part of program review. During the 2015-16 academic year, all programs will complete the assessment cycle review portion of program review. The learning outcomes assessment cycle review consists of evaluating student learning in the entire program, identifying strengths and challenges, evaluating curricular improvements for impact on learning, and planning for a student learning outcomes assessment focus in the next cycle.

The inclusion of assessment in program review will foster "closing of the loop" in using and evaluating data for program improvements in student learning. It will also provide a more holistic perspective for departments and faculty considering program quality. Collecting these forms of data will also allow the OOA to compile a more complete view of the status of student learning outcomes assessment and evaluate process quality in advance of the 2017-18 HLC reaccreditation review.

The OOA has been working within the program review process to train faculty in assessment review. Program review reports were submitted by academic programs in February 2016. The Assessment Council will review the assessment portions in order to build a portfolio of process quality.

Assessment in Co-Curricular Programs: The 2015-16 reporting cycle began in July. Co-curricular reporting focused this year on facilitating alignment of student learning outcomes assessment processes with department and division goals, as well as aligning those processes with best practices. Submission rates for the co-curricular units were at 80%. The OOA

consulted with all co-curricular units in November 2015 to develop a timeline for a more comprehensive and rigorous student learning outcomes assessment plan. The OOA is currently working with a pilot department to develop a comprehensive and stable assessment planning and reporting process for all co-curricular departments.

- **HLC Criteria on Assessment:** In fall 2015, the Office of Assessment worked with both academic and co-curricular faculty, staff, and leadership to educate the campus about accreditation assessment standards in preparation for the 2017-18 HLC reaccreditation visit. In meetings with programs and departments, the OOA discussed Assessment Council and Director analyses of strengths and challenges in assessment practices; identified pathways to align processes and practice; and asked all departments to self-evaluate regarding HLC expectations. Education and evaluation of alignment with HLC Criteria will be an ongoing process.

- **Activities to Promote a Positive Assessment Culture:** A critical part of meeting HLC accreditation expectations is fostering a vital campus community with faculty and staff engaged in meaningful student learning assessment activities. In addition to fulfilling HLC expectations, these activities meet the goals of the 2020 Strategic Plan Cornerstones in the areas of Accountability, Student Success, and Urban Research.

  The Office of Assessment meets this expectation in part through programming provided to the campus community. Programs like the Best Practices in Student Learning Assessment Poster Competition and the Assessment Innovation Mini-Grant Program serve to build capacity in assessment and increase knowledge and skills of faculty and staff in this area. Now in its sixth year, the poster competition offers the opportunity for faculty and staff to share the good work being done to support student learning using assessment. Mini-grants— small grants provided to seed assessment activities—foster sustained focus on and evaluation of student learning. For example, a recent impact from mini-grants includes funding for YSU philosophy students to attend a regional ethics bowl competition; the YSU student team won the regional competition and will compete in the national competition at the end of February. Results from both the poster competition and mini-grant projects will be displayed at the annual Assessment Appreciation and Poster Event in April.

- **National Survey of Student Engagement:** The National Survey of Student Engagement (NSSE) launched on February 9 and will continue through May 31. The NSSE collects data on first-year and senior student experiences in the areas of academic challenge, learning with peers, experiences with faculty, campus environment, and high impact experiences such as research or internships. As of this writing, student survey participation at YSU has out-paced other institutions of similar size. The survey results will provide information and benchmarking data regarding student engagement and success activities on the YSU campus. YSU was recently featured in a NSSE publication and in NSSE webinars outlining best practices in data dissemination and use for program improvements.

Youngstown
STATE UNIVERSITY

January 29, 2016

John Carey
Chancellor
Ohio Department of Higher Education
25 South Front Street
Columbus, OH 43215

Dear Chancellor Carey:

As required under Section 3345.35 of the Ohio Revised Code, the YSU Board of Trustees adopted a "Resolution to Approve Reporting for Evaluation of Low Enrollment Courses and Programs" (see attached) at our December 16, 2015 meeting. Our Provost, Martin Abraham, has assembled the data and prepared the enclosed report, which I submit to you per the requirements of the legislation.

Please let me know if you have any questions about this report, or if we can provide any additional information. We look forward to working with you as we continue to examine our course and program offerings.

Sincerely,

Carole S. Weimer
Chair, YSU Board of Trustees

Attachments

Youngstown
STATE UNIVERSITY

RESOLUTION TO APPROVE REPORTING FOR
EVALUATION OF LOW ENROLLMENT COURSES AND PROGRAMS

WHEREAS, Section 3345.35. of the Ohio Revised Code requires the boards of trustees of each state institution of higher education to evaluate all courses and programs based on enrollment and student performance; and

WHEREAS, the chancellor of the Ohio Department of Higher Education has determined six factors to be considered by trustees in their determination of course and program thresholds and in their consideration of recommended actions for courses that fall below the chancellor's definition of low enrollment; and

WHEREAS, the Provost and Vice President for Academic Affairs will evaluate programs and courses at Youngstown State University based upon the six factors determined by the chancellor, and will prepare a report to be provided to the Youngstown State University Board of Trustees for submission to the Ohio Department of Higher Education;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Trustees of Youngstown State University does hereby approve Reporting for Evaluation of Low Enrollment Courses and Programs, in compliance with Ohio Revised Code 3345.35., and will review and deliver a report every five years to the Ohio Department of Higher Education, with the first report due January 31, 2016.

Board of Trustees Meeting
December 16, 2015
YR 2016-

Report on Low Enrollment Courses and Programs

Youngstown State University

Prepared by

Martin Abraham, Provost

Definition: Low enrolled courses and programs

As per the guidance provided by the Department of Higher Education: "To comply with the legislation, the Chancellor is defining **low enrollment courses** as course sections that fall below 20% above the institutionally-defined threshold for that course section over two or more semesters."

Youngstown State University does not have a specific definition of a fully enrolled course section. The only place in which any specification of enrollment is provided is within our OEA faculty agreement that describes when faculty can receive full pay for teaching summer classes. The agreement specifies that faculty will receive full pay for an undergraduate section with 15 or more students enrolled, or a graduate section with 9 or more students enrolled. Assuming these enrollment totals specified in the agreement were appropriate, we then calculated (using the 20% rule specified by the chancellor) low enrolled sections as an undergraduate section with 17 or fewer students and a graduate section with 10 or fewer students.

There was no definition provided for a low enrolled program, and given the variable nature of the programs at YSU, it was determined that no common definition can be provided. However, we had previously completed an analysis of our program offerings and identified approximately 10 programs that had no students enrolled and no graduates over the past five years. Those programs have all been removed from our system and are no longer available.

In the Fall of 2015, YSU convened a task force of faculty to thoroughly revamp and upgrade our process of program review. As described in our new program review handbook, "Program review enables faculty members to evaluate their program's effectiveness in meeting its goals and foster continuous improvement. This process involves collecting and analyzing data, developing and implementing action plans for improvement, and reevaluating progress." In addition, "The outcomes of program review must be consistent with and responsive to the mission and strategic plan of the University as well as the expectations of the communities of interest served by the program." The new YSU program review is a five-year analysis of all undergraduate programs offered at the university.

The program review strategy will evaluate five elements of the program:

1. Program mission and strategic alignment
2. Program quality

3. Program resources
4. Ethical and responsible conduct, and
5. Next steps.

The program review strategy that will be employed at YSU will address all of the issues outlined in ORC 3345.35 and the guidance received from the Department of Higher Education regarding determining low enrollment courses and programs.

In the absence of overarching program review materials, we evaluated the enrollment in all of undergraduate programs, using data from fall semester in each of the last five academic years, and identified those that consistently fell in the bottom 10% of program enrollment. That data is provided in Appendix 1, with those programs having the lowest enrollment marked in red and those with the highest enrollment marked in green. Programs marked in red were identified for potential action. We have submitted recommendations to our academic senate for specific action, and to date, the BA in French and the BA in Social Studies have been eliminated. In addition, the BA in Music programs are being combined into a single degree offering with specific track options for specialization. Computer Science post-baccalaureate certificates are also being eliminated, as are other programs for which enrollment has consistently been low.

Identifying low enrolled sections

In order to determine low enrolled sections, we asked our Institutional Research staff to run an evaluation of all sections during the last three full semesters (F14, S15, and F15), using 14 day enrollment data. There are approximately 1350 sections per semester, with approximately half of those falling within the definition of low enrolled sections. The details are shown in Appendix 2.

Following the initial run of course sections, a rough analysis was completed to determine major categories of courses that should be excluded from the overall count of low enrolled sections. The following sets of courses were thereby eliminated from the dataset:

- Thesis, senior projects, and capstone courses
- Off-campus sections, including those offered at Bahama, Butler Community College, Lakeland Community College, Lorain Community College, and Stark State Community College
- Experiential learning courses, including cooperative and internships, clinical sections, music lessons, and field experiences
- Individual studies
- Lab sections
- Swing sections, enrolling both graduate and undergraduate students
- Sections specific to doctoral offerings
- Courses offered at U of A, Kent State, CSU, etc. that are cross listed at YSU.

There are two other categories of courses that are appropriate for further consideration.

- Sections that are one from a course comprised of multiple sections, in which greater than two-thirds of the sections meet the enrollment objective.
- Sections in which the maximum enrollment was set below the low enrollment threshold. These enrollment thresholds may have been set for a variety of reasons, including pedagogical issues, classroom size, accessibility of computer workstations, or others.

These are under review during the spring semester, and mechanisms for greater efficiency with these offerings are being considered.

Recommended actions for remaining sections

We asked each College Dean to review those sections identified as being low enrolled for which no specific prior category of explanation could be found. Although some of the categories had been considered previously, these sections remained on our list for consideration, likely a result of the way they are coded in our registration system. Among the sections for which no action was recommended were those that were offered as concurrent sections (i.e. two or more sections were simultaneously taught by one instructor in a common room), courses taught off-campus through our college credit plus program, those that were part of a consortial program, experiential learning courses, and those for which multiple sections were available and only one or two were low enrolled (as this is required to meet the needs of all of the students). Remaining sections were identified, with three potential areas of exploration: Reducing the number of sections offered, reducing the frequency at which we offer courses, and improved coordination of offerings to reduce similar types of offerings. This information is summarized in the table below.

Spring 2015

No Action							
	Concurrent Sections	2	4	1	2	9	5
	Individual Experience	1	12			3	94
	Last Open Section	2					13
	Lab Experience	3	5			2	91
	Combined with Other Classes	4					
	Accreditation Requirement	4				2	
	Consortial program		1		2		
	College Credit Plus		23				91
	Experiential learning			12		3	10
	Doctoral Course						3

Explore Opportunity for Reduced Sections			3	23	12	4	3	46
Better Coordination of Offerings			1				6	
Explore Reduced Frequency of Offerings			2	1	3		7	

Fall 2015

No Action							
	Concurrent Sections	3	3	5	2	6	17
	Individual Experience	1	7	1		6	69
	Last Open Section	2	5				25
	Lab Experience	3	5			2	79
	Combined with Other Classes	3					
	Accreditation Requirement	4				1	
	Consortial program		2		10		
	College Credit Plus		6				5
	Experiential learning			16		6	11
	Doctoral Course			1			3
Explore Opportunity for Reduced Sections		4	25	11	10	3	25
Better Coordination of Offerings		2				8	
Explore Reduced Frequency of Offerings		3	7	4		6	

Appendix 1

Historical Program

Data

Fall Semester Undergraduate Program Enrollment* : 2011 - 2015

Prepared by Steve Taraszewski - Institutional Research & Analytics

* Only includes undergraduate students enrolled in "Big P Programs". Students with double-majors are counted in each program. Based on 14th-day data

COLLEGE	BIGPROGDEPT	BIGPROG	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
					ACADEMIC_PERIOD		
BCOE	Counseling, Special Education & School Psychology	BSE Special Education	256	212	190	150	138
BCOE	Teacher Education	BSE Adol Young Adult	383	361	322	280	277
BCOE	Teacher Education	BSE Early Childhood Education	475	420	401	375	353
BCOE	Teacher Education	BSE Middle Childhood Education	234	188	145	130	102
BCOE Total			**1348**	**1181**	**1058**	**935**	**870**
CCAC	Art	BA Art History	13	10	10	5	2
CCAC	Art	BFA Studio Art	144	160	272	245	212
CCAC	Art	BSE Adol Young Adult- Art	44	41	28	30	30
CCAC	Communication	BA Communication Studies	40	145	153	150	154
CCAC	Communication	BA Journalism	94	82	73	59	64
CCAC	Communication	BA Telecommuncation Studies	105	104	99	104	116
CCAC	Dana School of Music	BA Music Composition	6	8	5	8	7
CCAC	Dana School of Music	BA Music History and Literature	3	5	3	1	1
CCAC	Dana School of Music	BA Music Performance	23	18	12	11	12
CCAC	Dana School of Music	BA Music Theory	4	1	2		1
CCAC	Dana School of Music	BM Music Education	160	134	132	121	118
CCAC	Dana School of Music	BM Music Performance	58	53	46	51	57
CCAC	Theater & Dance	BA Dance Management	8	13	11	12	11
CCAC	Theater & Dance	BA Theater Studies	28	25	18	34	43
CCAC	Theater & Dance	BFA Musical Theater	14	16	13	17	17
CCAC	Theater & Dance	BFA Theater	12	14	10	6	4
CCAC Total			**756**	**829**	**887**	**854**	**849**
CLASS	Dean CLASS	AA Associate of Arts	31	29	37	43	39
CLASS	Dean CLASS	BA American Studies	5	2	1	1	
CLASS	Dean CLASS	BGS General Studies	130	132	148	139	141
CLASS	Economics	BA Economics	9	17	19	18	17
CLASS	Economics	BSBA Business Economics	80	73	57	49	26
CLASS	English	BA English	122	105	83	79	60
CLASS	English	BA Prof and Technical Writing		1	42	36	31
CLASS	Foreign Languages & Literatures	BA French	5	4	2	3	2
CLASS	Foreign Languages & Literatures	BA Italian	3	5	7	6	3
CLASS	Foreign Languages & Literatures	BA Spanish	16	18	10	7	1
CLASS	Foreign Languages & Literatures	BSE Adol Young Adult-French	3	3	4	2	1
CLASS	Foreign Languages & Literatures	BSE Adol Young Adult-Italian	2		1	1	1
CLASS	Foreign Languages & Literatures	BSE Adol Young Adult-Spanish	15	16	11	6	12
CLASS	Geography	BA Geography	24	29	28	29	24
CLASS	Geography	CER Geospatial Science & Tech				1	1
CLASS	History	BA History	102	90	77	74	58
CLASS	Philosophy & Religious Studies	BA Philosophy	27	31	27	19	17
CLASS	Philosophy & Religious Studies	BA Religious Studies	43	31	25	21	18
CLASS	Political Science	BA Political Science	108	105	100	94	99
CLASS	Political Science	BA Social Studies	1	2		3	2
CLASS	Psychology	BA Psychology	415	437	403	332	290
CLASS	Sociology, Anthropology & Gerontology	BA Anthropology	43	48	45	50	39
CLASS	Sociology, Anthropology & Gerontology	BA Gerontology	15	11	11	8	10
CLASS	Sociology, Anthropology & Gerontology	BA Long Term Care Administration				11	10
CLASS	Sociology, Anthropology & Gerontology	BA Sociology	69	68	54	52	35
CLASS	Sociology, Anthropology & Gerontology	PBC Applied Gerontology	3	1			
CLASS Total			**1271**	**1258**	**1192**	**1084**	**937**
HHS	Criminal Justice	AAS Criminal Justice	131	102	90	61	49

COLLEGE	BIGPROGDEPT	BIGPROG	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
					ACADEMIC_PERIOD		
HHS	Criminal Justice	BSAS Criminal Justice	616	581	521	493	460
HHS	Criminal Justice	BSAS Forensic Science	110	111	107	93	79
HHS	Criminal Justice	CER Basic Police Training					1
HHS	Health Professions	AAS Emergency Medical Services		20	24	21	34
HHS	Health Professions	AAS Medical Assisting Technology	97	92	83	69	46
HHS	Health Professions	AAS Medical Laboratory Technology				19	20
HHS	Health Professions	BDH Dental Hygiene	1	17	78	81	134
HHS	Health Professions	BRC Respiratory Care	95	78	83	101	87
HHS	Health Professions	BSAS Allied Health	83	79	110	150	144
HHS	Health Professions	BSAS Medical Laboratory Science			1	34	36
HHS	Health Professions	BSAS Public Health	34	47	48	58	52
HHS	HPES	BSAS Exercise Science	438	420	388	337	317
HHS	Human Ecology	AAS Dietetic Technician	37	22	25	21	15
HHS	Human Ecology	AAS Early Childhood		2	31	34	30
HHS	Human Ecology	AAS Hospitality Management	31	33	24	19	11
HHS	Human Ecology	BSAS Coordinated Program in Dietetics		11	15	16	22
HHS	Human Ecology	BSAS Didactic Program in Dietetics		5	62	42	25
HHS	Human Ecology	BSAS Family and Consumer Studies	40	36	22	18	18
HHS	Human Ecology	BSAS Hospitality Management	91	89	90	86	76
HHS	Human Ecology	BSAS Merch Fashion and Interiors	97	101	80	76	62
HHS	Human Ecology	BSE Adol Young Adult - Family & Consumer Studies	5	9	5	4	2
HHS	Nursing	BSN Nursing	910	865	777	649	620
HHS	Social Work	AAS Social Services Technology	17	17	9	13	13
HHS	Social Work	BSW Social Work	493	464	456	478	439
HHS Total			3326	3201	3129	2973	2792
STEM	Biological Sciences	BA Biology	23	16	11	10	10
STEM	Biological Sciences	BS Biology	541	553	509	415	467
STEM	Chemistry	BA Chemistry	29	34	43	36	19
STEM	Chemistry	BS Chemistry	159	131	137	166	167
STEM	Civil, Environmental & Chemical Engineering	BE Chemical Engineering	58	51	60	67	101
STEM	Civil, Environmental & Chemical Engineering	BE Civil Engineering	82	70	78	79	78
STEM	Computer Science & Information Systems	AAS Computer Information Systems	19	11	5	5	4
STEM	Computer Science & Information Systems	AAS Information Technology	52	48	30	28	18
STEM	Computer Science & Information Systems	BS Computer Science	110	82	81	100	135
STEM	Computer Science & Information Systems	BSAS Computer Information Systems	124	102	69	65	62
STEM	Computer Science & Information Systems	BSAS Information Technology	234	188	169	164	149
STEM	Computer Science & Information Systems	PBC Computer Networking	1	1		1	
STEM	Computer Science & Information Systems	PBC Information System Program					
STEM	Computer Science & Information Systems	PBC Multimedia and Web Design	2	1	2	1	1
STEM	Electrical & Computer Engineering	BE Electrical Engineering	72	102	104	119	110
STEM	Geological & Environmental Sciences	BA Geology	15	10	12	11	14
STEM	Geological & Environmental Sciences	BS Environmental Studies	54	54	48	48	37
STEM	Geological & Environmental Sciences	BS Geology	22	28	31	37	26
STEM	Mathematics & Statistics	BA Mathematics	11	5	8	8	5
STEM	Mathematics & Statistics	BS Mathematics	55	66	67	59	69
STEM	Mechanical & Industrial Engineering	BE Industrial and Systems Engineering	33	36	40	38	46
STEM	Mechanical & Industrial Engineering	BE Mechanical Engineering	101	153	168	194	211
STEM	Physics & Astronomy	BA Physics		1	1		2
STEM	Physics & Astronomy	BS Physics	18	17	13	10	7
STEM	Physics & Astronomy	BS Physics Astronomy	23	19	16	15	19
STEM	School of Technology	AAS Civil and Constuction Eng	75	63	55	59	58
STEM	School of Technology	AAS Drafting and Design Technology	11	7	6	5	6
STEM	School of Technology	AAS Electrical Engineering Tech	51	38	40	38	42
STEM	School of Technology	AAS Mechanical Engineering Tech	41	46	49	60	60

COLLEGE	BIGPROGDEPT	BIGPROG	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
					ACADEMIC_PERIOD		
STEM	School of Technology	ATS Electrical Utility Tech	106	66	53	45	32
STEM	School of Technology	BSAS Civil and Constuction Eng	24	22	29	30	22
STEM	School of Technology	BSAS Electrical Engineering Tech	19	21	27	23	16
STEM	School of Technology	BSAS Mechanical Engineering Tech	27	28	48	36	26
STEM Total			2192	2070	2010	1971	2019
WCBA	Accounting & Finance	BSBA Accounting	429	394	324	311	266
WCBA	Accounting & Finance	BSBA Finance	115	110	103	102	124
WCBA	Dean Business	AA Business Administration	161	111	62	33	20
WCBA	Dean Business	ATS Business Technology	14	9	1	2	
WCBA	Management	BSBA Business Administration	532	449	329	279	261
WCBA	Management	BSBA Human Resource Management	31	26	40	48	60
WCBA	Management	BSBA Management Info Systems	13	11	12	15	
WCBA	Management	BSBA Info and Supply Chain Mgt					20
WCBA	Management	CER Enterprise Resource Plan					7
WCBA	Management	CER Leadership Certificate					18
WCBA	Marketing	BSBA Advertising & Public Relations	40	27	26	30	43
WCBA	Marketing	BSBA Marketing Management	235	197	173	153	151
WCBA	Marketing	CER Entrepreneurship Certificate					2
WCBA	Marketing	CER NonProfit Leadership					3
WCBA Total			1570	1334	1070	973	975

Appendix 2

2014 – 2015 Section

enrollment data

Count of TERMCRN

COURSE_LEVEL	College	Dept	COURSE_IDENTIFICATION	COURSE_TITLE_SHORT	Exclusion Reason*	201440			201520			201540		
						Over	Under	Total	Over	Under	Total	Over	Under	Total
DO	Education	Educational Administration	EDAD8155	Sem in Curr Educational Issues	DOCTORAL		1	1				1	1	2
DO	Science, Tech, Engineer, Math	Materials Science	MATL8060	Dissertation	Individual studies		1	1		3	3		3	3
GR	Business Administration	Management	MGT6926	Decision Making Techniques		1		1	1		1	2	1	3
GR	Business Administration	Management	MGT6946	Supply Chain Management					1	1	2			
GR	Business Administration	Management	MGT6996	Research Problems	Individual studies		1	1	1		1	1	1	2
GR	Creative Arts & Communication	Art	ART6952	Studio Problems in Painting	Lab		1	1		2	2			
GR	Creative Arts & Communication	Music Appl Lesson Clarinet	CLAR5800A	Clarinet	Individual studies								2	2
GR	Creative Arts & Communication	Music Ensembles	MUEN0023	Jazz Ensemble	Ensemble		1	1		1	1		2	2
GR	Creative Arts & Communication	Music Ensembles	MUEN0030	Jazz Combo	Ensemble		2	2		1	1		2	2
GR	Education	Counseling	COUN6973L	Group Counseling Lab	Lab					4	4			
GR	Education	Counseling	COUN7001	Counseling Practicum 1	>=MaxEnrollment		2	2		2	2		3	3
GR	Education	Counseling	COUN7002	Clin Mental Hlth Practicum 2	>=MaxEnrollment		1	1		1	1		2	2
GR	Education	Counseling	COUN7004	Prac Student Affairs Coll Coun	>=MaxEnrollment		2	2					2	2
GR	Education	Counseling	COUN7007	School Counseling Practicum 2	>=MaxEnrollment		2	2					2	2
GR	Education	Counseling	COUN7010	Clin Mental Health Internship	Internship		2	2		2	2		1	1
GR	Education	Educational Administration	EDAD6949	Legal Ethical Issues Pub Admin	DOCTORAL	1	1	2					1	1
GR	Education	Educational Administration	EDAD6952	Sch Finance Resource Plan Mgt			1	1	1	1	2			
GR	Education	Educational Administration	EDAD6975	Intro Admin Clinical Exper	Internship		2	2					1	1
GR	Education	Educational Administration	EDAD7022E	Clin Exper Elem Principal	Internship		1	1		1	1		2	2
GR	Education	Educational Administration	EDAD7022S	Clin Exper Second Principal	Internship		1	1		1	1		2	2
GR	Health and Human Services	Allied Health	AHLT5807	Epidemiology	Swing		2	2		1	1		2	2
GR	Health and Human Services	Health and Human Services	HHS6918	Program Plan and Evaluation			2	2					1	1
GR	Health and Human Services	Health and Human Services	HHS6930	Health Informatics						2	2			
GR	Health and Human Services	Health and Human Services	HHS6935	Clinical Informatics			1	1					2	2
GR	Health and Human Services	Health and Human Services	HHS6958	Health Services Issues						2	2			
GR	Health and Human Services	Health and Human Services	HHS6962	Health Care Reform			2	2					2	2
GR	Health and Human Services	Master in Public Health	MPH6904	Biostatistics in Public Health			2	2					2	2
GR	Health and Human Services	Nursing	NURS6902	Advanced Pathophysiology		1		1				1	1	2
GR	Health and Human Services	Nursing	NURS7005	Capstone Practicum					2	1	3			
GR	Health and Human Services	Social Work	SCWK6900	Humn Behavior Social Environ 1		4		4				2	1	3
GR	Health and Human Services	Social Work	SCWK6901	Oppression Cultural Competency		4	1	5				2	1	3
GR	Health and Human Services	Social Work	SCWK6902	Policy and Program Analysis		3		3				2	1	3
GR	Health and Human Services	Social Work	SCWK6903	Social Work Found Practice 1		2		2				4	1	5
GR	Health and Human Services	Social Work	SCWK6904	Field Education 1	Internship	1		1				2	1	3
GR	Health and Human Services	Social Work	SCWK6905	Humn Behavior Social Environ 2					3	1	4			
GR	Health and Human Services	Social Work	SCWK6906	Business Skills Social Workers					4	1	5			
GR	Health and Human Services	Social Work	SCWK7000	Advanced Direct Practice 1		1	1	2				1	1	2
GR	Health and Human Services	Social Work	SCWK7002	Adversities and Resiliencies		2		2				3	1	4
GR	Health and Human Services	Social Work	SCWK7003	Supervision					2	1	3			
GR	Health and Human Services	Social Work	SCWK7008	Social Work in Mental Health		1	1	2						
GR	Health and Human Services	Social Work	SCWK7010	Advanced Direct Practice 2					1	1	2		3	3
GR	Liberal Art and Social Science	Economics	ECON6912	Microeconomic Theory						1	1		3	3
GR	Liberal Art and Social Science	Economics	ECON6922	Macroeconomic Theory						1	1	1	1	2
GR	Liberal Art and Social Science	Geography	GEOG5810	Geographic Information Sci 1	Swing		2	2	1		1		1	1
GR	Science, Tech, Engineer, Math	Biology	BIOL5813L	Vertebrate Histology Lab	Lab					2	2			
GR	Science, Tech, Engineer, Math	Biology	BIOL5840	Advanced Microbiology	Swing		2	2					1	1
GR	Science, Tech, Engineer, Math	Chemistry	CHEM6990A	Thesis Biochemistry	Individual studies		1	1		2	2		2	2
GR	Science, Tech, Engineer, Math	Chemistry	CHEM6990C	Thesis Materials	Individual studies		2	2		2	2		3	3
GR	Science, Tech, Engineer, Math	Chemistry	CHEM6990D	Thesis Organic	Individual studies		1	1		1	1		3	3
GR	Science, Tech, Engineer, Math	Civil and Environmental Engr	CEEN6989	Graduate Projects	Individual studies		2	2		1	1		2	2
GR	Science, Tech, Engineer, Math	Civil and Environmental Engr	CEEN6990	Thesis	Individual studies		1	1					3	3
GR	Science, Tech, Engineer, Math	Computer Science	CSCI6990	Computer Science Project	Individual studies		1	1		5	5		3	3
GR	Science, Tech, Engineer, Math	Computer Science	CSCI6996	Independent Study	Individual studies		4	4		6	6		5	5
GR	Science, Tech, Engineer, Math	Computer Science	CSCI6999	Thesis	"OTHER" course type		1	1		3	3		4	4
GR	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN6990	Thesis	Individual studies		3	3		2	2		2	2
GR	Science, Tech, Engineer, Math	Environmental Studies	ENST6990	Thesis	Individual studies		7	7		7	7		4	4
GR	Science, Tech, Engineer, Math	Industrial and Systems Engr	ISEN5812L	Manufacturing Practices 2 Lab	Lab					2	2			
GR	Science, Tech, Engineer, Math	Industrial and Systems Engr	ISEN5881	Competitive Manufacturing Mgt	Swing					2	2			
GR	Science, Tech, Engineer, Math	Industrial and Systems Engr	ISEN6992	Graduate Projects	"OTHER" course type					3	3		2	2
GR	Science, Tech, Engineer, Math	Industrial and Systems Engr	ISEN6999	Thesis	"OTHER" course type		1	1		3	3		1	1
GR	Science, Tech, Engineer, Math	Materials Science	MATL6982	Graduate Research	Individual studies		4	4		4	4		3	3
GR	Science, Tech, Engineer, Math	Mathematics	MATH5852	Real Analysis 2	Swing		1	1					2	2

Count of TERMCRN

COURSE_LEVEL	College	Dept	COURSE_IDENTIFICATION	COURSE_TITLE_SHORT	Exclusion Reason*	201440			201520			201540		
						Over	Under	Total	Over	Under	Total	Over	Under	Total
GR	Science, Tech, Engineer, Math	Mathematics	MATH6923	Adv Topics in Field Theory	>=MaxEnrollment								2	2
GR	Science, Tech, Engineer, Math	Mathematics	MATH6990	Independent Study	Individual studies		2	2		1	1			
GR	Science, Tech, Engineer, Math	Mathematics	MATH6996	Mathematical Project	Individual studies		3	3		7	7		1	1
GR	Science, Tech, Engineer, Math	Mechanical Engineering	MECH6990	Thesis	Individual studies		2	2		2	2		3	3
GR	Science, Tech, Engineer, Math	Mechanical Engineering	MECH6992	Graduate Projects	Individual studies		1	1		1	1		2	2
GR	Science, Tech, Engineer, Math	Statistics	STAT6940	Advanced Data Analysis	>=MaxEnrollment		1	1				1	1	2
GR	Science, Tech, Engineer, Math	Statistics	STAT6943	Mathematical Statistics 1	>=MaxEnrollment		1	1				1	1	2
UG	Business Administration	Accounting	ACCT1503	Elementary Accounting		1	1	2	2		2	1	1	2
UG	Business Administration	Accounting	ACCT2602	Financial Accounting		4	1	5	5		5	5		5
UG	Business Administration	Accounting	ACCT2603	Managerial Accounting		4		4	4	1	5	4		4
UG	Business Administration	Accounting	ACCT2603L	Managerial Acctg Spreadsht Lab	Lab	5	2	7	4	3	7	5	1	6
UG	Business Administration	Accounting	ACCT3701	Intermediate Accounting 1		2		2	1	1	2	1		1
UG	Business Administration	Accounting	ACCT3702	Intermediate Accounting 2		1		1	1	1	2	1		1
UG	Business Administration	Accounting	ACCT3709	Accounting Information Systems		1	1	2	1	1	2	1	1	2
UG	Business Administration	Accounting	ACCT3711	Cost Accounting		2		2	2		2	1	1	2
UG	Business Administration	Accounting	ACCT4801	Advanced Accounting		1	1	2	1		1	1	1	2
UG	Business Administration	Accounting	ACCT4808	Auditing and Fraud Invest		1	1	2	1	1	2	1		1
UG	Business Administration	Accounting	ACCT4813	Federal Taxation 1		1	1	2	1		1		2	2
UG	Business Administration	Business Administration	BUS1500	Exploring Business		7	1	8	7		7	8		8
UG	Business Administration	Business Administration	BUS3715	Principles International Bus		3	1	4	3		3	3	1	4
UG	Business Administration	Business Administration	BUS4875	IB Field Study Tour	Field Experience					2	2			
UG	Business Administration	Finance	FIN3720	Business Finance		3	1	4	3		3	4		4
UG	Business Administration	Management	MGT2604	Legal Environment of Bus 1		4	1	5	4	1	5	4		4
UG	Business Administration	Management	MGT3714	Legal Environment of Bus 2		2		2	1	1	2	2		2
UG	Business Administration	Management	MGT3750	Managing Individuals in Orgs		2	1	3	2		2	1	2	3
UG	Business Administration	Management	MGT3761	Info Systems for Management		3	1	4	3		3			
UG	Business Administration	Management	MGT3789	Operations Management		3	1	4	4		4	4		4
UG	Business Administration	Management	MGT4820	Supply Chain Management						2	2			
UG	Business Administration	Management	MGT4850	Strategic Mgt and Leadership	Capstone	2	1	3	3		3	2	2	4
UG	Business Administration	Marketing	MKTG3702	Business Professionalism		4		4	3	1	4	5		5
UG	Business Administration	Marketing	MKTG3703	Marketing Concepts Practice		3	1	4	3	1	4	3	1	4
UG	Business Administration	Marketing	MKTG3740	Professional Selling		2	1	3	2	2	4	3		3
UG	Business Administration	Marketing	MKTG4815	Market Research and Analytics								1	1	2
UG	Business Administration	Marketing	MKTG4815	Marketing Research		1	1	2	1		1			
UG	Business Administration	Marketing	MKTG4850	Marketing Internship	Internship	1	1	2		1	1	1		1
UG	Creative Arts & Communication	Art	ART1501	Fundamentals of 2D Design	>=MaxEnrollment		4	4		3	3	1	4	5
UG	Creative Arts & Communication	Art	ART1502	Fundamentals of 3D Design			2	2		3	3		1	1
UG	Creative Arts & Communication	Art	ART1521	Foundation Drawing	>=MaxEnrollment		4	4		1	1		4	4
UG	Creative Arts & Communication	Art	ART1522	Intermediate Drawing			2	2		3	3		1	1
UG	Creative Arts & Communication	Art	ART2611	Introduction to Sculpture	>=MaxEnrollment		2	2		1	1		1	1
UG	Creative Arts & Communication	Art	ART2631	Introduction to Ceramics			2	2		1	1		2	2
UG	Creative Arts & Communication	Art	ART2661	Introduction to Graphic Design			2	2	1		1		2	2
UG	Creative Arts & Communication	Art	ART2674	Introduction to Photography	>=MaxEnrollment		2	2		1	1		2	2
UG	Creative Arts & Communication	Art	ART3737	Pre K 4 Visual Arts Education	>=MaxEnrollment		3	3		2	2		3	3
UG	Creative Arts & Communication	Art	ART3788	Theory of Art			2	2	1		1	1		1
UG	Creative Arts & Communication	Art	ART4800D	Studio Problems Painting	Lab					2	2		1	1
UG	Creative Arts & Communication	Art	ART4802C	Senior Project Graphic Design	Sr Project Lab		2	2		3	3		3	3
UG	Creative Arts & Communication	Art	ART4802D	Senior Project Painting	Sr Project Lab		1	1		2	2		1	1
UG	Creative Arts & Communication	Art	ART5881	20th Century Art to 1960	Swing	1		1	1	1	2	1		1
UG	Creative Arts & Communication	Communication Studies	CMST1545	Communication Foundations		37	6	43	47	6	53	42	4	46
UG	Creative Arts & Communication	Communication Studies	CMST1545H	Communication Foundations									2	2
UG	Creative Arts & Communication	Communication Studies	CMST3745	Individual Studies	Individual studies	1		1		2	2	1		1
UG	Creative Arts & Communication	Communication Studies	CMST4850	Social Media Campaigns		2		2	1		1	2		2
UG	Creative Arts & Communication	Dance	DNCE1573	Ballet 2						2	2			
UG	Creative Arts & Communication	Dance	DNCE2698	Survey of Dance		1	1	2		1	1		1	1
UG	Creative Arts & Communication	Music Applied Classes	MUAC1581	Keyboard Musicianship 1	Lab		6	6					6	6
UG	Creative Arts & Communication	Music Applied Classes	MUAC1582	Keyboard Musicianship 2	Lab					3	3			
UG	Creative Arts & Communication	Music Applied Classes	MUAC2681	Keyboard Musicianship 3	Lab		2	2					2	2
UG	Creative Arts & Communication	Music Education	MUED3722	Music in Early Childhood		2	1	3	1	2	3		3	3
UG	Creative Arts & Communication	Music Ensembles	MUEN0023	Jazz Ensemble	Ensemble		2	2		2	2		2	2
UG	Creative Arts & Communication	Music Ensembles	MUEN0023P	Jazz Ensemble	Ensemble		2	2		2	2		2	2
UG	Creative Arts & Communication	Music Ensembles	MUEN0030	Jazz Combo	Ensemble		4	4		4	4		4	4
UG	Creative Arts & Communication	Music Ensembles	MUEN0030P	Jazz Combo	Ensemble		3	3		1	1		2	2
UG	Creative Arts & Communication	Music History and Literature	MUHL2621	Music Lit and Appreciation		5	1	6	6	1	7	3	4	7
UG	Creative Arts & Communication	Music History and Literature	MUHL3771	Music History and Literature 1		1	1	2				1	1	2
UG	Creative Arts & Communication	Music History and Literature	MUHL3772	Music History and Literature 2					1	1	2			
UG	Creative Arts & Communication	Music History and Literature	MUHL3773	Music History and Literature 3		1	1	2					2	2

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COURSE_LEVEL	College	Dept	COURSE_IDENTIFICATION	COURSE_TITLE_SHORT	Exclusion Reason*	201440			201520			201540		
						Over	Under	Total	Over	Under	Total	Over	Under	Total
UG	Creative Arts & Communication	Music History and Literature	MUHL3774	Music History and Literature 4						3	3		1	1
UG	Creative Arts & Communication	Music Theory and Composition	MUTC1520	Material of Music		2	1	3	1		1	1	2	3
UG	Creative Arts & Communication	Music Theory and Composition	MUTC1531	Musicianship 1		1	1	2	1	1	2	1	1	2
UG	Creative Arts & Communication	Music Theory and Composition	MUTC1531L	Musicianship 1 Lab	Lab	1	1	2	2		2	1	1	2
UG	Creative Arts & Communication	Music Theory and Composition	MUTC1532	Musicianship 2			1	1		2	2	1		1
UG	Creative Arts & Communication	Music Theory and Composition	MUTC1532L	Musicianship 2 Lab	Lab		1	1		2	2	1		1
UG	Creative Arts & Communication	Music Theory and Composition	MUTC2631	Musicianship 3			2	2		1	1		1	1
UG	Creative Arts & Communication	Music Theory and Composition	MUTC2631L	Musicianship 3 Lab	Lab		2	2		1	1		1	1
UG	Creative Arts & Communication	Theater	THTR1560	Understanding Theater		1	2	3		1	1	1		1
UG	Creative Arts & Communication	Theater	THTR1561	Stagecraft	>=MaxEnrollment					2	2		1	1
UG	Creative Arts & Communication	Theater	THTR1590	History of Motion Pictures		10	1	11	9		9	10		10
UG	Education	Counseling	COUN1587	Intro Ment Hlth Well		7	2	9	8		8	8	2	10
UG	Education	Counseling	COUN1588	Exploring Leadership		1	1	2	1	1	2	1		1
UG	Education	Early Childhood Education	ECE2629	Best Practices in ECE	Lakeland Community College	2		2	2	1	3	1	3	4
UG	Education	Educational Technology	EDTC3771	Technology for Teaching		2	5	7	5	1	6	5		5
UG	Education	Foundations of Education	FOUN3708	Education and Society		2	2	4	2	2	4	2	1	3
UG	Education	Reading and Study Skills	RSS1510A	Adv College Success Skills		11		11	3	1	4	15	1	16
UG	Education	Reading and Study Skills	RSS1510B	Basic College Success Skills			4	4					3	3
UG	Education	Reading and Study Skills	RSS1510C	STEM Advanced College Skills			1	1				2	1	3
UG	Education	Secondary Education	SED4842A	Stud Tch Seminar Secondary Ed			2	2	1	1	2		1	1
UG	Education	Special Education	SPED2630	Indiv Exceptions in Society		5		5	4	1	5	5		5
UG	Education	Special Education	SPED3715	Char Needs Mild Mod Disab			2	2	1	1	2	1		1
UG	Education	Special Education	SPED4831	Assess Referral Early Child		1		1	1	1	2		1	1
UG	Education	Special Education	SPED5851	Trans Plan SS Dev Hlth Rel Iss	Swing	1	1	2					2	2
UG	Education	Special Education	SPED5870	Independent Study	Individual studies		2	2					1	1
UG	Education	Teacher Education	TCED1509	Orientation on Line Learning		1		1	1		1	1	1	2
UG	Education	Teacher Education Reading	TERG2601	Read App Cont Area Early Yrs		2		2	2		2	1	2	3
UG	Education	Teacher Education Reading	TERG3701	Phon Read Ins Prek 9	Lakeland Community College	2		2	1	2	3	2	1	3
UG	Education	Teacher Education Reading	TERG3702	Dev Read Instrct Lit		1	1	2	1	1	2	2		2
UG	Education	Teacher Education Reading	TERG3703	Assess Ins Rd PreK 9		3	1	4	1	2	3	2	1	3
UG	Education	Teacher Education Reading	TERG3711	Read App Content Areas Sec Yrs			2	2		1	1		2	2
UG	Health and Human Services	Aerospace Studies	AERO1501	Foundation of US Air Force 1			2	2					2	2
UG	Health and Human Services	Aerospace Studies	AERO1502	Foundation of US Air Force 2						2	2			
UG	Health and Human Services	Allied Health	AHLT3711	Health Care Information System					1	1	2	1		1
UG	Health and Human Services	Allied Health	AHLT4810	Mgt Skills Health Professional		2		2	1	1	2	2		2
UG	Health and Human Services	Allied Health	AHLT4820	Directed Research	Capstone		3	3	1	3	4		3	3
UG	Health and Human Services	Allied Health	AHLT5840	Comparative Health Systems	Swing	2		2	1	1	2	1		1
UG	Health and Human Services	Child and Family	CHFM2633	Early Chld Integrat Devel Educ		2		2	2		2	1	1	2
UG	Health and Human Services	Child and Family	CHFM3731	Individual Family Development		2		2	2		2	1	1	2
UG	Health and Human Services	Child and Family	CHFM3733L	Practicum Preprimary Settings	Lab		4	4		4	4		5	5
UG	Health and Human Services	Child and Family	CHFM3750	Parent Professional Relation		2		2	1	1	2	2		2
UG	Health and Human Services	Child and Family	CHFM3770	Wellness Early Childhood Years		1		1	1		1	1	1	2
UG	Health and Human Services	Clinical Laboratory Technology	CLTC1501L	Intro Clinical Lab Science Lab	Lab		2	2						
UG	Health and Human Services	Clinical Laboratory Technology	CLTC3702L	Clinical Hematology 2 Lab	Lab		2	2						
UG	Health and Human Services	Clinical Laboratory Technology	CLTC3703L	Clinical Immunology Lab	Lab		2	2						
UG	Health and Human Services	Clinical Laboratory Technology	CLTC3787L	Diagnostic Microbiology Lab	Lab		2	2						
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS1500	Intro to Criminal Justice		5	1	6	4	1	5	6		6
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS2602	Criminal Courts		3		3	2		2	3	1	4
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS3700	Forensic Fire Investigation	Lorain Community Coll Location	1		1	1		1	1	2	3
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS3710	Social Statistics		2		2	2		2	2	2	4
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS3712	Criminal Justice Research		2		2	2		2	2	2	4
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS3714L	Forensic Science CSI Lab	Lab	2		2	2		2	1	1	2
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS3715	Crim Just Management Concepts		2		2	2		2	2	2	4
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS3736	Criminal Victimization	Lorain Community Coll Location	2		2	1		1	1	3	4
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS3740	Crim Just Information System	Lorain Community Coll Location	1		1	1		1	1	2	3
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS4800	Senior Seminar	Lorain Community Coll Location				1		1		3	3
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS4851	Women and Justice	Lorain Community Coll Location	1		1					3	3
UG	Health and Human Services	Criminal Just and Forensic Sci	CJFS5831	Violence in America	Swing	1		1		1	1	1	2	3
UG	Health and Human Services	Dental Hygiene	DHYG2601L	Clinical Dental Hygiene 1	Lab					6	6			
UG	Health and Human Services	Dental Hygiene	DHYG2620L	Head and Neck Anatomy Lab	Lab					3	3			
UG	Health and Human Services	Dental Hygiene	DHYG3703L	Clinical Dental Hygiene 3	Lab		6	6					6	6
UG	Health and Human Services	Dental Hygiene	DHYG3704L	Clinical Dental Hygiene 4	Lab					6	6			
UG	Health and Human Services	Dental Hygiene	DHYG3760L	Dental Radiology Lab	Lab		4	4					5	5
UG	Health and Human Services	Dental Hygiene	DHYG3790L	Local Anesthesia Clinic	Lab					4	4			
UG	Health and Human Services	Dental Hygiene	DHYG4805L	Clinical Dental Hygiene 5	Lab		3	3					6	6
UG	Health and Human Services	Dental Hygiene	DHYG4806L	Clinical Dental Hygiene 6	Lab					3	3			
UG	Health and Human Services	Dental Hygiene	DHYG4830L	Dental Materials Lab	Lab		1	1					2	2

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UG	Health and Human Services	Dental Hygiene	DHYG4845L	Expanded Functions Lab	Lab		2	2					4	4
UG	Health and Human Services	Dental Hygiene	DHYG4855L	Expanded Functions Clinical	Clinical					2	2			
UG	Health and Human Services	Emergency Medical Services	EMS1500L	Emergency Med Technician Lab	Lab		1	1		2	2			
UG	Health and Human Services	Emergency Medical Services	EMS1505	Emergency Med Techniques 1 Lab	Lab		1	1					2	2
UG	Health and Human Services	Food and Nutrition	FNUT1553	Food Science and Management		1	1	2	1	1	2	1	1	2
UG	Health and Human Services	Food and Nutrition	FNUT1553L	Food Science and Managemnt Lab	Lab	2		2	1	2	3	1	2	3
UG	Health and Human Services	Food and Nutrition	FNUT2603L	Medical Nutrition Ther 1 Lab	Lab		2	2		1	1		1	1
UG	Health and Human Services	Food and Nutrition	FNUT2609L	Supervised Practicum	Clinical					2	2			
UG	Health and Human Services	Food and Nutrition	FNUT2612L	Food Systems Lab	Lab	1	1	2		2	2	1		1
UG	Health and Human Services	Food and Nutrition	FNUT2613L	MNT Supervised Practice	Lab					2	2			
UG	Health and Human Services	Food and Nutrition	FNUT2652L	Nutrition Assessment Lab	Lab		2	2		1	1		1	1
UG	Health and Human Services	Food and Nutrition	FNUT3760L	Medical Nutrition Thrpy 2 Lab	Lab		2	2					2	2
UG	Health and Human Services	Food and Nutrition	FNUT5862L	Food and Culture Lab	Lab				1	1	2			
UG	Health and Human Services	Health and Human Serv College	HAHS1500	Intro College of H&H Services		3	1	4	1	1	1	3	1	4
UG	Health and Human Services	Health and Human Serv College	HAHS1510	Invest Social Classes in Amer	>=MaxEnrollment	1	3	4		6	6	5	1	6
UG	Health and Human Services	Health and Human Serv College	HAHS4800	Study Abroad in HHS	"OTHER" course type					2	2			
UG	Health and Human Services	Human Ecology	HMEC1550	Human Ecology Professions		2	1	3	3		3	2		2
UG	Health and Human Services	Human Ecology	HMEC4836	Internship	Internship		2	2		3	3		3	3
UG	Health and Human Services	Human Ecology	HMEC4875	Directed Individual Study	Individual studies		6	6		4	4		4	4
UG	Health and Human Services	Human Ecology	HMEC4890	Comm of Contemporary Issues		1		1	1	1	2	1		1
UG	Health and Human Services	Human Perform and Exercise Sci	HPES1500	Physical Activity Core Concept		1	1	2	2		2	2		2
UG	Health and Human Services	Human Perform and Exercise Sci	HPES1519	Racquetball	Lab		2	2	2		2	1		1
UG	Health and Human Services	Human Perform and Exercise Sci	HPES1552	Yoga	Lab	2		2	1	1	2	3	1	4
UG	Health and Human Services	Human Perform and Exercise Sci	HPES1557	Weight Training	Lab		1	1	1	1	2	2		2
UG	Health and Human Services	Human Perform and Exercise Sci	HPES1559	Aerobic Condition Activities		1	1	2	1	1	2	2	1	3
UG	Health and Human Services	Human Perform and Exercise Sci	HPES1588A	Sel Activities Group Cycling	Lab		1	1		2	2			
UG	Health and Human Services	Human Perform and Exercise Sci	HPES2605	Sport First Aid Injury Prevent		2		2	2		2	2	1	3
UG	Health and Human Services	Human Perform and Exercise Sci	HPES2625	Pedagogy Aspects Exercise Sci	Lab		2	2		2	2		2	2
UG	Health and Human Services	Human Perform and Exercise Sci	HPES3700	Exer Test and Prescription 1	>=MaxEnrollment		2	2		2	2		2	2
UG	Health and Human Services	Human Perform and Exercise Sci	HPES3710L	Physiology of Exercise Lab	Lab		2	2		2	2		3	3
UG	Health and Human Services	Human Perform and Exercise Sci	HPES3720L	Kinesiology Lab	Lab		2	2		2	2		2	2
UG	Health and Human Services	Human Perform and Exercise Sci	HPES3730	Exer Test and Prescription 2		1		1		2	2	1		1
UG	Health and Human Services	Human Perform and Exercise Sci	HPES3760	Strength Train and Condition		1		1	2		2		2	2
UG	Health and Human Services	Medical Assisting Technology	MATC1501	Medical Terminology		6	1	7	5	1	6	6		6
UG	Health and Human Services	Medical Assisting Technology	MATC2611L	Clinical Procedures Lab	Lab		7	2					2	2
UG	Health and Human Services	Medical Assisting Technology	MATC2620L	Adv Clinical Procedures Lab	Lab					2	2			
UG	Health and Human Services	Medical Assisting Technology	MATC2680L	Medical Lab Procedures Lab	Lab					2	2			
UG	Health and Human Services	Medical Laboratory Science	MLS1501L	Intro Medical Lab Prof Lab	Lab								2	2
UG	Health and Human Services	Medical Laboratory Technology	MLT1501L	Intro Medical Lab Prof Lab	Lab								2	2
UG	Health and Human Services	Military Science	MSCI1510	Introduction to ROTC		1	1	2				1	1	2
UG	Health and Human Services	Military Science	MSCI1520	Introduction to Leadership					1	1	2			
UG	Health and Human Services	Nursing	NURS2643L	Health Assessment Lab	Lab		9	9					10	10
UG	Health and Human Services	Nursing	NURS2645L	Professional Nursing 1 Lab	Lab					10	10			
UG	Health and Human Services	Nursing	NURS3710L	Nursing in the Community Lab	Lab		9	9					9	9
UG	Health and Human Services	Nursing	NURS3731L	Chld Bear Family Wmn Hlth Lab	Clinical		5	5		5	5		5	5
UG	Health and Human Services	Nursing	NURS3741L	Professional Nursing 2 Lab	Lab		10	10					10	10
UG	Health and Human Services	Nursing	NURS3743L	Professional Nursing 3 Lab	Lab					10	10			
UG	Health and Human Services	Nursing	NURS3747	Individual Studies	Individual studies		2	2		2	2		2	2
UG	Health and Human Services	Nursing	NURS4832L	Nursing Care Children Fam Lab	Clinical		5	5		5	5		5	5
UG	Health and Human Services	Nursing	NURS4840L	Complex Care Lab	Lab		5	5		5	5		5	5
UG	Health and Human Services	Nursing	NURS4842L	Mental Health Nursing Lab	Lab		5	5		5	5		5	5
UG	Health and Human Services	Public Health	PHLT1568	Healthy Lifestyles		12	1	13	12	1	13	13		13
UG	Health and Human Services	Respiratory Care	RESC2699	Clinical Practice 1	Clinical					6	6			
UG	Health and Human Services	Respiratory Care	RESC3741	Clinical Practice 3	Clinical		6	6					6	6
UG	Health and Human Services	Respiratory Care	RESC4835	Clinical Practice 4	Clinical					6	6			
UG	Health and Human Services	Respiratory Care	RESC4847	Sleep Clinics 1	Clinical		2	2					4	4
UG	Health and Human Services	Respiratory Care	RESC4849	Sleep Clinics 2	Clinical					2	2			
UG	Health and Human Services	Social Work	SCWK1510	Introduction to Social Work		2		2	1	1	2	1		1
UG	Health and Human Services	Social Work	SCWK2600	Health Issues for SW Practice		1	1	2	2		2	1		1
UG	Health and Human Services	Social Work	SCWK2622	Social Work Processes		2		2	1	1	2	1	1	2
UG	Health and Human Services	Social Work	SCWK2642	Humn Behavior Social Environ 1		4	1	5	1		1	4		4
UG	Health and Human Services	Social Work	SCWK2644	Humn Behavior Social Environ 2		2		2	4	1	5	1		1
UG	Health and Human Services	Social Work	SCWK3736	Social Work Methods Individ	Stark State Community College	4	1	5	2		2	1	5	6
UG	Health and Human Services	Social Work	SCWK3737	Social Work Methods Groups	Stark State Community College	1		1	2	3	5	1		1
UG	Health and Human Services	Social Work	SCWK3738	Social Work Methods Family		1		1	3	2	5			
UG	Health and Human Services	Social Work	SCWK3760	Rsrch Methods Social Workers	Stark State Community College	1	1	2	3	1	4	1	1	2
UG	Health and Human Services	Social Work	SCWK4825	Field Work in Social Services	Internship	2	1	3	2	1	3	2	3	5

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						Over	Under	Total	Over	Under	Total	Over	Under	Total
UG	Health and Human Services	Social Work	SCWK4826	Integrated Field Work Seminar	Stark State Community College		5	5	1		1	1	4	5
UG	Health and Human Services	Social Work	SCWK4827	Integrated Capstone	Capstone		1	1	1	3	4		1	1
UG	Health and Human Services	Social Work	SCWK5820	Social Policy		4	1	5	1		1	3		3
UG	Health and Human Services	Social Work	SCWK5822	Soc Wrk Methods Org and Comm	Stark State Community College	2	1	3	1		1	1	4	5
UG	Health and Human Services	Social Work	SCWK5823	Cultural Diversity Practice		1		1	4	1	5			1
UG	Liberal Art and Social Science	American Sign Language	ASL1551	Elementary ASL 2						2	2			
UG	Liberal Art and Social Science	American Sign Language	ASL1552	Intermediate ASL 1			2	2				1		1
UG	Liberal Art and Social Science	American Sign Language	ASL2600	Intermediate ASL 2						2	2			
UG	Liberal Art and Social Science	Anthropology	ANTH1500	Introduction to Anthropology		5	2	7	5	1	6	7		7
UG	Liberal Art and Social Science	Anthropology	ANTH1503	Rise and Fall of Civilizations		2		2	1	1	2	1		1
UG	Liberal Art and Social Science	Anthropology	ANTH2600	Human Osteology		1	1	2					1	1
UG	Liberal Art and Social Science	Anthropology	ANTH4851	Social Research	Capstone		2	2		3	3		1	1
UG	Liberal Art and Social Science	Economics	ECON2610	Principles of Microeconomics		10	1	11	8		8	9	1	10
UG	Liberal Art and Social Science	Economics	ECON2630	Principles of Macroeconomics		3	1	4	5		5	3	1	4
UG	Liberal Art and Social Science	Economics	ECON3790	Statistics for Bus and Econ		5	1	6	6		6	6		6
UG	Liberal Art and Social Science	English	ENGL1539	Fundamentals College Writing		5	3	8	2		2	8		8
UG	Liberal Art and Social Science	English	ENGL1540	Introduction College Writing		17	2	19	3	1	4	19		19
UG	Liberal Art and Social Science	English	ENGL1550	Writing 1		51	1	52	35	6	41	50	3	53
UG	Liberal Art and Social Science	English	ENGL1550H	Honors Writing 1		1		1				1	1	2
UG	Liberal Art and Social Science	English	ENGL1590	Introduction to Literature		2	1	3	3	1	4	2		2
UG	Liberal Art and Social Science	English	ENGL2601	Intermed Writing for Teachers			2	2		1	1		1	1
UG	Liberal Art and Social Science	English	ENGL2618	Amer Literature and Diversity	>=MaxEnrollment	2	4	6	5	9	14	3	3	6
UG	Liberal Art and Social Science	English	ENGL2651	Introduction to Language		3		3	2		2	2	1	3
UG	Liberal Art and Social Science	English	ENGL2665	Introduction to Film Study		3		3	2	1	3	2	2	4
UG	Liberal Art and Social Science	English	ENGL3700	Literary Study		2	1	3	2		2	1	1	2
UG	Liberal Art and Social Science	English	ENGL3703	Literature for Young Children		3	1	4	1	3	4	3		3
UG	Liberal Art and Social Science	English	ENGL3712	American Literature 1		1	1	2	1		1		1	1
UG	Liberal Art and Social Science	English	ENGL3713	American Literature 2		1		1		2	2		1	1
UG	Liberal Art and Social Science	English	ENGL3740	Advanced Writing		1	1	2	1	1	2		2	2
UG	Liberal Art and Social Science	English	ENGL3743	Prof and Tech Communication		2	2	4	2	1	3			
UG	Liberal Art and Social Science	English	ENGL3743	Prof and Technical Writing								1	2	3
UG	Liberal Art and Social Science	French	FRNC1550	Elementary French		2		2	1		1	1	1	2
UG	Liberal Art and Social Science	French	FRNC2600	Intermediate French			1	1	1	1	2		1	1
UG	Liberal Art and Social Science	French	FRNC2606	Intensive French Review						4	4			
UG	Liberal Art and Social Science	Geography	GEOG1503	Physical Geography		3	1	4	2		2	2	1	3
UG	Liberal Art and Social Science	Geography	GEOG2626	World Geography		3	1	4	3	1	4	3	1	4
UG	Liberal Art and Social Science	Geography	GEOG2630L	Weather Lab	Lab	1	3	4	2	2	4	2	2	4
UG	Liberal Art and Social Science	Geography	GEOG2640	Human Geography		3		3	2	1	3	2	1	3
UG	Liberal Art and Social Science	Geography	GEOG5810	Geographic Information Sci 1	Swing	1	1	2		1	1		1	1
UG	Liberal Art and Social Science	Gerontology	GERO3703	Aging and Society			2	2		2	2		2	2
UG	Liberal Art and Social Science	History	HIST1501	Amer Dreams Intro to US Hist		3	1	4	2		2	3	2	5
UG	Liberal Art and Social Science	History	HIST1511	World Civilization to 1500		2	1	3	2		2	2		2
UG	Liberal Art and Social Science	History	HIST1512	World Civilization since 1500		1	2	3	2	1	3	2	1	3
UG	Liberal Art and Social Science	History	HIST2605	Turning Points US History 1		3	1	4	3		3	2	2	4
UG	Liberal Art and Social Science	History	HIST2606	Turning Points US History 2		4		4	2	1	3	3	2	5
UG	Liberal Art and Social Science	Italian	ITAL1550	Elementary Italian		3		3	1		1	1	2	3
UG	Liberal Art and Social Science	Italian	ITAL2600	Intermediate Italian			1	1		3	3		1	1
UG	Liberal Art and Social Science	Italian	ITAL2605	Advanced Intermediate Italian			1	1		2	2		1	1
UG	Liberal Art and Social Science	Journalism	JOUR2622	News Reporting 1	Lab		2	2	2		2	1	1	2
UG	Liberal Art and Social Science	Journalism	JOUR2624	Imaging and Design of News	Lab		2	2	1	1	2		1	1
UG	Liberal Art and Social Science	Journalism	JOUR2626	American Journalism			1	1				1	1	2
UG	Liberal Art and Social Science	Liberal Arts and Social Sci	LASS4805	Integ Social Studies Seminar	"OTHER" course type		2	2						
UG	Liberal Art and Social Science	Philosophy	PHIL2619	Introduction to Logic		1	1	2	1		1	1		1
UG	Liberal Art and Social Science	Philosophy	PHIL4861	Senior Capstone Project	Individual studies		3	3		2	2		2	2
UG	Liberal Art and Social Science	Political Science	POL4801	Senior Research Seminar	Capstone		1	1		2	2		1	1
UG	Liberal Art and Social Science	Psychology	PSYC1560	General Psychology		11		11	9		9	11	1	12
UG	Liberal Art and Social Science	Psychology	PSYC2618	Research Methods and Stats 2		1	1	2	2	1	3	1	1	2
UG	Liberal Art and Social Science	Psychology	PSYC3702	Abnormal Psychology		3	1	4	2		2	2	1	3
UG	Liberal Art and Social Science	Psychology	PSYC3761L	Cognition Laboratory	Lab	1		1	1	1	2	1		1
UG	Liberal Art and Social Science	Religious Studies	REL2601	Intro to World Religions		4	1	5	3		3	4		4
UG	Liberal Art and Social Science	Religious Studies	REL2631	Religion and the Earth					2		2	1	1	2
UG	Liberal Art and Social Science	Religious Studies	REL4871	Senior Capstone Project	Individual studies		3	3		2	2		2	2
UG	Liberal Art and Social Science	Sociology	SOC1500	Introduction to Sociology		10	1	11	8		8	9		9
UG	Liberal Art and Social Science	Sociology	SOC3703	Aging and Society		3		3	1	1	2	2		2
UG	Liberal Art and Social Science	Sociology	SOC3759	Sociology of Dementia	Lorain Community Coll Location		1	1	1		1		2	2
UG	Liberal Art and Social Science	Sociology	SOC4851	Social Research	Capstone		1	1		3	3		1	1
UG	Liberal Art and Social Science	Spanish	SPAN1550	Elementary Spanish		9		9	4		4	7	1	8

Count of TERMCRN

COURSE_LEVEL	College	Dept	COURSE_IDENTIFICATION	COURSE_TITLE_SHORT	Exclusion Reason*	201440			201520			201540		
						Over	Under	Total	Over	Under	Total	Over	Under	Total
UG	Liberal Art and Social Science	Spanish	SPAN2600	Intermediate Spanish		1	2	3	4	4	8	1	2	3
UG	Liberal Art and Social Science	Spanish	SPAN2605	Advanced Intermediate Spanish			1	1		2	2		1	1
UG	Science, Tech, Engineer, Math	Astronomy	ASTR1504L	Astronomy Lab	Lab		4	4	3	1	4	1	3	4
UG	Science, Tech, Engineer, Math	Biology	BIOL1505	Biology and Modern World		1	1	2	2	1	3	1		1
UG	Science, Tech, Engineer, Math	Biology	BIOL1505L	Biology and Modern World Lab	Lab		8	8		11	11		6	6
UG	Science, Tech, Engineer, Math	Biology	BIOL1551	Anatomy and Physiology 1		2		2	1	1	2	2		2
UG	Science, Tech, Engineer, Math	Biology	BIOL1551L	Anatomy and Physiology 1 Lab	Lab	8	2	10	1	7	8	9		9
UG	Science, Tech, Engineer, Math	Biology	BIOL1552L	Anatomy and Physiology 2 Lab	Lab	1	3	4	6	4	10	1	3	4
UG	Science, Tech, Engineer, Math	Biology	BIOL1560L	Microbiology Hlth Prof Lab	Lab	5	1	6	2	2	4	4	2	6
UG	Science, Tech, Engineer, Math	Biology	BIOL2601	Gen Biol Molecules and Cells		2	4	6	1	4	5	3	2	5
UG	Science, Tech, Engineer, Math	Biology	BIOL2601L	Gen Biol Mol and Cells Lab	Lab	7	7	14	3	4	7	5	7	12
UG	Science, Tech, Engineer, Math	Biology	BIOL2602	Gen Biol Organisms and Ecology		1		1	1	4	5	1		1
UG	Science, Tech, Engineer, Math	Biology	BIOL2602L	Gen Biol Organism and Ecol Lab	Lab	3		3	6	7	13	3		3
UG	Science, Tech, Engineer, Math	Biology	BIOL3702L	Microbiology Lab	Lab	4		4	3	1	4	2	2	4
UG	Science, Tech, Engineer, Math	Biology	BIOL3703L	Clinical Immunology Lab	Lab		2	2		1	1		2	2
UG	Science, Tech, Engineer, Math	Biology	BIOL3705L	Intro Human Gross Anatomy Lab	Lab		4	4		6	6		4	4
UG	Science, Tech, Engineer, Math	Biology	BIOL3730L	Human Physiology Lab	Lab	4	1	5	1	3	4	4		4
UG	Science, Tech, Engineer, Math	Biology	BIOL4861	Senior Biology Capstone	"OTHER" course type		2	2	1	1	2	1		1
UG	Science, Tech, Engineer, Math	Biology	BIOL4890L	Molecular Genetics Lab	Lab					2	2			
UG	Science, Tech, Engineer, Math	Biology	BIOLS813L	Vertebrate Histology Lab	Lab					2	2			
UG	Science, Tech, Engineer, Math	Chemical Engineering	CHEN3787L	Unit Operations 1 Lab	Lab	1		1				2		2
UG	Science, Tech, Engineer, Math	Chemical Engineering	CHEN4801	Chemical Engineering Projects	Lab				2		2	1		1
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1501	Introduction to Chemistry		2	1	3	2		2	2	1	3
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1505L	Allied Health Chemistry 1 Lab	Lab	9	3	12	1	3	4	10	1	11
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1505R	Allied Hlth Chem 1 Recitation			2	2		1	1		2	2
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1506L	Allied Health Chemistry 2 Lab	Lab	1	3	4	8	1	9	1	2	3
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1515	General Chemistry 1	>=MaxEnrollment	4	5	9	4	10	14	5	4	9
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1515L	General Chemistry 1 Lab	Lab	17	6	23	10	11	21	18	4	22
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1515R	General Chemistry 1 Recitation		5	1	6	3		3	4	1	5
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1516	General Chemistry 2	>=MaxEnrollment	1		1	3	5	8	1		1
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1516L	General Chemistry 2 Lab	Lab	6		6	10	5	15	6		6
UG	Science, Tech, Engineer, Math	Chemistry	CHEM1516R	General Chemistry 2 Recitation		2		2	3	1	4	2		2
UG	Science, Tech, Engineer, Math	Chemistry	CHEM2604L	Quantitative Analysis Lab	Lab	2	1	3	1		1	2	1	3
UG	Science, Tech, Engineer, Math	Chemistry	CHEM2650C	Research Materials	Individual studies		2	2		2	2		1	1
UG	Science, Tech, Engineer, Math	Chemistry	CHEM3719L	Organic Chemistry 1 Lab	Lab	7		7		7	7	1	8	9
UG	Science, Tech, Engineer, Math	Chemistry	CHEM3720L	Organic Chemistry 2 Lab	Lab	2	1	3		6	6		4	4
UG	Science, Tech, Engineer, Math	Chemistry	CHEM3720R	Organic Chemistry 2 Recitation		1	1	2	2	1	3		2	2
UG	Science, Tech, Engineer, Math	Chemistry	CHEM3739L	Physical Chemistry 1 Lab	Lab	2		2		1	1		3	3
UG	Science, Tech, Engineer, Math	Chemistry	CHEM3785	Biochemistry 1		2		2	1		1	1	1	2
UG	Science, Tech, Engineer, Math	Chemistry	CHEM3785L	Biochemistry Lab	Lab		4	4					2	2
UG	Science, Tech, Engineer, Math	Chemistry	CHEM4850A	Chem Research Lab Biochemistry	Capstone		3	3		3	3		3	3
UG	Science, Tech, Engineer, Math	Chemistry	CHEM4850C	Chem Research Lab Materials	Capstone		2	2		1	1		1	1
UG	Science, Tech, Engineer, Math	Chemistry	CHEM4850D	Chem Research Lab Organic	Capstone		2	2		2	2		3	3
UG	Science, Tech, Engineer, Math	Civil and Constructn Engr Tech	CCET2614L	Materials Lab 1	Lab		2	2		2	2		2	2
UG	Science, Tech, Engineer, Math	Civil and Constructn Engr Tech	CCET3714L	Soil Mechanics Laboratory	Lab								2	2
UG	Science, Tech, Engineer, Math	Civil and Environmental Engr	CEEN2601	Statics		2	1	3	1		1	2		2
UG	Science, Tech, Engineer, Math	Civil and Environmental Engr	CEEN2602L	Strength of Materials Lab	Lab		1	1		5	5			
UG	Science, Tech, Engineer, Math	Civil and Environmental Engr	CEEN2610L	Surveying Laboratory	Lab		3	3					3	3
UG	Science, Tech, Engineer, Math	Civil and Environmental Engr	CEEN3716L	Fluid Mechanics Lab	Lab		2	2					2	2
UG	Science, Tech, Engineer, Math	Civil and Environmental Engr	CEEN4881L	Geotechnical Lab	Lab					2	2			
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS1514	Business Computer Systems		7		7	4	1	5	4	2	6
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS1525	Surv Modern Operating System	>=MaxEnrollment		3	3		2	2	1	2	3
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS1590	Survey Computer Sci and Info		1	2	3	2	1	3	1	2	3
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS1595	Fund Prog Problem Solving 1		2	2	4	2	1	3	2		2
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS2605	Fund Prog Problem Solving 2		1		1	1	2	3	1		1
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS2610	Programming Problem Solving		4		4	3	1	4	3		3
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS3700	Data Structures and Objects		1		1	2		2	1	1	2
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS3701	Adv Obj Oriented Programming		2		2	1		1	1	1	2
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS3720	Syst Configuration Maintenance		1	2	3		2	2	1	2	3
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS3722	Development of Databases		2	1	3	2	1	3	2		2
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS3723	Network Concepts and Admin					2		2	1	1	2	1		1
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS3726	Visual Object Oriented Program					2		2	1	1	2	1		1
UG	Science, Tech, Engineer, Math	Computer Sci and Informtn Sys	CSIS3760	E Commerce Programming		1	1	2	1		1	1	1	2
UG	Science, Tech, Engineer, Math	Computer Science	CSCI4890	Computer Projects	Capstone		6	6		6	6		5	5
UG	Science, Tech, Engineer, Math	Drafting and Design Technology	DDT1503	AutoCAD 1		2		2	1	1	2	2		2
UG	Science, Tech, Engineer, Math	Drafting and Design Technology	DDT1504	Drafting and Plan Reading		2		2	1	1	2	1	1	2
UG	Science, Tech, Engineer, Math	Electric Utility Tech	EUT2604L	Power Plant Electric Equip Lab	Lab		2	2					1	1

Count of TERMCRN

COURSE_LEVEL	College	Dept	COURSE_IDENTIFICATION	COURSE_TITLE_SHORT	Exclusion Reason*	201440			201520			201540		
						Over	Under	Total	Over	Under	Total	Over	Under	Total
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN1521L	Digital Computer Circuit Lab	Lab					3	3			
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN2611	Instrument Computation Lab 1	Lab		4	4					3	3
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN2612	Instrument Computation Lab 2	Lab					3	3			
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN2632	Basic Circuit Theory 1		2		2				1	1	2
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN2633	Basic Circuit Theory 2					1	1	2			
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN3711	Intermediate Lab 1	Lab		3	3					3	3
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN3712	Intermediate Lab 2	Lab					2	2			
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN4803L	Linear Control Systems Lab	Lab	2		2				2		2
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN4811	Senior Laboratory	Lab	2		2				2		2
UG	Science, Tech, Engineer, Math	Electrical and Computer Engr	ECEN4899	Senior Design Project	Capstone				2		2	2		2
UG	Science, Tech, Engineer, Math	Electrical Engineering Tech	EET2605L	Electronics 1 Lab	Lab		1	1						
UG	Science, Tech, Engineer, Math	Electrical Engineering Tech	EET4820L	Power Sys Protect Control Lab	Lab	2		2						
UG	Science, Tech, Engineer, Math	Engineering Technology	ENTC1500	Technical Skills Development		2		2	1		1	1	1	2
UG	Science, Tech, Engineer, Math	Engineering Technology	ENTC1505	Engineering Tech Concepts		2		2	1	1	2	1	1	2
UG	Science, Tech, Engineer, Math	Environmental Studies	ENST1500L	Intro to Environmental Sci Lab	Lab	8	3	11	10	1	11	8	4	12
UG	Science, Tech, Engineer, Math	Environmental Studies	ENST3780	Environmental Research	Individual studies		1	1		3	3			
UG	Science, Tech, Engineer, Math	Environmental Studies	ENST3790	Internship Cooperative	Field Experience		1	1		1	1		2	2
UG	Science, Tech, Engineer, Math	Environmental Studies	ENST4840C	Tpcs Soil Quality and Analysis						2	2			
UG	Science, Tech, Engineer, Math	Geology	GEOL1505	Physical Geology		2		2	2		2	2	1	3
UG	Science, Tech, Engineer, Math	Geology	GEOL1505L	Physical Geology Lab	Lab	2		2	2		2	2	1	3
UG	Science, Tech, Engineer, Math	Industrial and Systems Engr	ISEN5811L	Manufacturing Practices 1 Lab	Lab	2		2				1		1
UG	Science, Tech, Engineer, Math	Industrial and Systems Engr	ISEN5812L	Manufacturing Practices 2 Lab	Lab				2		2			
UG	Science, Tech, Engineer, Math	Information Technology	INFO1575	Document Preparation		2		2	1		1	1		1
UG	Science, Tech, Engineer, Math	Information Technology	INFO3774	Multimedia Technology		1	1	2		2	2	1	1	2
UG	Science, Tech, Engineer, Math	Information Technology	INFO3775	Multimedia Authoring		1	1	2	1		1		2	2
UG	Science, Tech, Engineer, Math	Information Technology	INFO3776	Web Site Development		1		1		2	2	1		1
UG	Science, Tech, Engineer, Math	Mathematics	MATH1500	Number Concepts Begin Algebra		6	3	9	2	4	6			
UG	Science, Tech, Engineer, Math	Mathematics	MATH1501	Elementary Algebraic Models		15	1	16	10		10	15		15
UG	Science, Tech, Engineer, Math	Mathematics	MATH1502	Beginning Algebra 1		2	1	3						
UG	Science, Tech, Engineer, Math	Mathematics	MATH1503	Beginning Algebra 2			2	2		2	2			
UG	Science, Tech, Engineer, Math	Mathematics	MATH1507	Intermediate Algebra		10	1	11	5	1	6	11		11
UG	Science, Tech, Engineer, Math	Mathematics	MATH1510	College Algebra		4	1	5	6		6	15		15
UG	Science, Tech, Engineer, Math	Mathematics	MATH1511	Trigonometry		2	2	4	5	1	6	9	2	11
UG	Science, Tech, Engineer, Math	Mathematics	MATH1513	Algebra and Transcend Function		9		9	4		4	5	1	6
UG	Science, Tech, Engineer, Math	Mathematics	MATH1552	Applied Math for Management		8	1	9	4	3	7	6	1	7
UG	Science, Tech, Engineer, Math	Mathematics	MATH1570	Applied Calculus 1		1	1	2	2		2	2		2
UG	Science, Tech, Engineer, Math	Mathematics	MATH1571	Calculus 1		11	3	14	14	30	44	9	4	13
UG	Science, Tech, Engineer, Math	Mathematics	MATH1572	Calculus 2		6		6	7	1	8	6		6
UG	Science, Tech, Engineer, Math	Mathematics	MATH2623	Survey of Mathematics		13	1	14	11	2	13	12		12
UG	Science, Tech, Engineer, Math	Mathematics	MATH2625	Statistic Lit Critical Reason					2	3	5	4	1	5
UG	Science, Tech, Engineer, Math	Mathematics	MATH2651	Math Early Child Teachers 1		3		3	2		2	3		3
UG	Science, Tech, Engineer, Math	Mathematics	MATH2652	Math Early Child Teachers 2		1	1	2	2	1	3		2	2
UG	Science, Tech, Engineer, Math	Mathematics	MATH2665	Found Middle School Math 2					2	1	3			
UG	Science, Tech, Engineer, Math	Mathematics	MATH3715	Discrete Mathematics		1	1	2	2		2	1	1	2
UG	Science, Tech, Engineer, Math	Mathematics	MATH3720	Linear Algebra Matrix Theory		1	1	2	2		2	1	1	2
UG	Science, Tech, Engineer, Math	Mathematics	MATH4896	Senior Undergrad Research Proj	Capstone		3	3		8	8		4	4
UG	Science, Tech, Engineer, Math	Mathematics	MATH4897H	Thesis	Individual studies					2	2			
UG	Science, Tech, Engineer, Math	Mechanical Engineering	MECH3720L	Fluid Dynamics Lab	Lab		1	1		4	4		1	1
UG	Science, Tech, Engineer, Math	Mechanical Engineering	MECH3751L	Stress and Strain Analysis Lab	Lab	3		3				3	1	4
UG	Science, Tech, Engineer, Math	Mechanical Engineering	MECH4825L	Heat and Thermodynamics Lab	Lab		3	3		1	1		3	3
UG	Science, Tech, Engineer, Math	Mechanical Engineering	MECH5881L	Mechanical Vibrations Lab	Lab					3	3			
UG	Science, Tech, Engineer, Math	Mechanical Engineering Tech	MET3714L	Fluid Mechanics Lab	Lab		2	2					2	2
UG	Science, Tech, Engineer, Math	Physics	PHYS1501	Fundamentals 1	>=MaxEnrollment	3	1	4	5	8	13	3	1	4
UG	Science, Tech, Engineer, Math	Physics	PHYS1501L	Fundamentals Lab 1	Lab	2	7	9	3	9	12	1	7	8
UG	Science, Tech, Engineer, Math	Physics	PHYS1501R	Fund of Physics 1 Recitation			2	2		2	2		2	2
UG	Science, Tech, Engineer, Math	Physics	PHYS1502	Fundamentals 2		1		1	1	1	2	1		1
UG	Science, Tech, Engineer, Math	Physics	PHYS1502L	Fundamentals Lab 2	Lab	1	1	2	2	2	4		3	3
UG	Science, Tech, Engineer, Math	Physics	PHYS2610L	General Physics 1 Lab	Lab	3	2	5	2	2	4	1	4	5
UG	Science, Tech, Engineer, Math	Physics	PHYS2611L	General Physics 2 Lab	Lab	1	2	3	1	1	2	1	2	3
UG	Science, Tech, Engineer, Math	Science Tech Engineering Math	STEM1513	Studies in STEM Connectivity		1	1	2	1		1	2	1	3
UG	Science, Tech, Engineer, Math	Science Tech Engineering Math	STEM4890	STEM Internship	Internship		6	6		5	5		5	5
UG	Science, Tech, Engineer, Math	Science Tech Engineering Math	STEM4891	STEM Cooperative Education	Cooperative		3	3		4	4		4	4
UG	Science, Tech, Engineer, Math	Statistics	STAT2601	Introduction Statistics		1		1	2	12	14	2		2
UG	Science, Tech, Engineer, Math	Statistics	STAT3743	Probability and Statistics		1	1	2	1		1	1		1

2016.2

MEMORANDUM OF UNDERSTANDING
AMENDMENT TO YSU/YSU-OEA AGREEMENT,
AUGUST 18, 2014– AUGUST 17, 2017

Article 4.4 of the 2014-2017 YSU/YSU-OEA Collective Bargaining Agreement outlines the process whereby faculty are awarded the Distinguished Professor honor. The parties mutually agree to amend the procedure for the 2015-2016 academic year according to the below schedule and procedure. Eligibility, the number of awards and their distribution between scholarship, service, and teaching will not be changed.

February 15 shall be the deadline for Distinguished Professor nominations, to be made on a form available in the Office of the Provost, in the three categories (scholarship, service, teaching).

February 22 shall be the deadline whereby all nominees provide an abridged curriculum vitae of up to three (3) pages in length, and up to ten (10) additional pages of supporting information or materials. Letters of recommendation are not required but may be submitted in excess of the ten (10) pages of support materials.

March 4 shall be the deadline for the college-level Distinguished Professor review committee to forward their written comments along with their recommendation on each of the nominees to the university-level Distinguished Professor selection committee (see below for composition procedure for the college-level review committee and the university-level selection committee).

March 31 shall be the deadline for the university-level Distinguished Professor selection committee to forward their award determinations. The selection committee shall provide a one-paragraph statement with respect to each Distinguished Professor award recipient. The statement shall include a summary of the reason(s) supporting the award and shall be publicly released at the announcement of the awards and read at the awards ceremony.

The college-level Distinguished Professor review committee shall have no fewer than three (3) and no more than five (5) members with the actual number of members for each college determined by the Dean. The Dean shall hold an election among faculty rank individuals within the college to determine who shall

comprise the committee. The Dean will submit the names of the three (3) individuals who received the highest number of votes to the Provost and YSU-OEA President. From the three names, the Provost along with the YSU-OEA President will select one individual from each of YSU's six (6) colleges to serve on the university-level Distinguished Professor selection committee. The seventh member of the committee and its chair shall be the Provost or the Provost's designee.

A $2,000.00 monetary award shall be split equally between a one-time lump sum payment and an increase to the base pay of the faculty member's base salary at the beginning of the following contract year. Any retiring or resigning faculty members shall be paid the entire amount as a lump sum amount by the time of the termination of his or her employment contract with YSU.

The procedure outlined herein is agreed to on a non-precedent setting basis and the parties agree to hold each other harmless in the implementation of this process for the 2015-2016 academic year.

MOU 2016.2, Entered into this _21 st_ day of January, 2016

FOR THE ASSOCIATION

FOR THE UNIVERSITY

_____
Annette Burden, President
YSU Chapter of OEA

_____
Martin Abraham, Provost
Youngstown State University

_____
Gabriel Palmer-Fernandez, Chief Negotiator,
YSU Chapter of OEA

cc: Kevin Reynolds, Chief Human Resources Officer
        Stephanie Smith, Director of Faculty Relations

1. Undergraduate Program Development:

Undergraduate Program Actions Requiring Board of Trustees Action and/or Notification or Approval by the Ohio Department of Higher Education

Since the last set of YSU Board of Trustees meetings, the Ohio Department of Higher Education has approved the following undergraduate program changes:

- No changes have been approved since the last Board of Trustees meeting.

2. Graduate Program Development:

A new proposal (Program Development Plan or PDP) for graduate programs must be approved internally by YSU's Graduate Curriculum Committee and Graduate Council before it is presented to the Board of Trustees Academic Quality and Student Success Committee as an information item. The PDP is then forwarded to the Chancellor's Council on Graduate Studies (CCGS) for comment, and a full program proposal is prepared, in response if there are no serious objections. The full proposal must be reviewed by the internal curriculum process and then go to the Board of Trustees for action and approval. The proposal then goes to CCGS for a second review and in-person presentation. If CCGS recommends the program for approval—and after YSU Board of Trustees approval—it goes to the Chancellor's staff, which makes a recommendation to the Chancellor based on CCGS review and public comments. The Chancellor's signature is the final step of the approval process. Board of Trustees approval is required prior to any final decision by the Chancellor's office.

- The **Master of Athletic Training** was approved by the CCGS.

- The **Master of Fine Arts in Interdisciplinary Visual Arts** was granted provisional approval by the CCGS. The provision states the program must be approved by the National Association of Schools of Art and Design (NASAD) within five years.

- The **Master of Accountancy** was approved by the CCGS.

- The **Post-Master's Certificate in Adult Gerontology Acute Care Nurse Practitioner** was approved by the CCGS.

- The full proposal for a **Master of Science in Nursing Option for Adult Gerontology Acute Care Nurse Practitioner** is being prepared by the department.

Youngstown
STATE UNIVERSITY

TENURE GRANTED FOR 2015-2016

Kristine Blair, Department of English   Effective 05/16/2016

Nathan Myers, Department of Educational Foundations, Research,
    Technology and Leadership   Effective 03/16/2016

Wim F. A. Steelant, Department of Chemistry   Effective 03/16/2016

Research Professorship List
Faculty Awarded for 2016-2017

1. Abdurrahman Arslanyilmaz, Computer Science and Information Systems
   "Impact of simulated hazard warning systems on distracted novice drivers' hazard perception skills" – Awarded 9 Hours

2. Rebecca Badawy, Management
   "When Employers Lose Control in the Recruitment Process: The Impact of Social Networking Sites on Organizational Attraction" -- Awarded 6 Hours

3. Dr. Ganesaratnam Balendiran, Chemistry
   "Role of Fibrates and Like Molecules in Diabetes and Metabolic Diseases"
   -- Awarded 9 Hours

4. Dr. Michael Butcher, Biological Sciences
   "Functional Anatomy of Suspensory Locomotion in Three-toed Sloths"
   -- Awarded 9 Hours

5. Dr. Pedro Cortes, Civil/Environmental & Chemical Engineering
   "Detection of PETN (Pentaerythritol tetranitrate) explosive using biologically modified carbon nanotubes--A Preliminary approach" -- Awarded 6 Hours

6. Dr. Michael Crescimanno, Physics and Astronomy
   "Understanding and tailoring ultrastrong light-molecule interaction"
   – Awarded 9 Hours

7. Dr. Ramesh Dangol, Management
   "Structuring Supple Chain Resource for Competitive Advantage" --Awarded 6 Hours

8. Dr. Kent Engelhardt, Dana School of Music
   "The Magic Tough: The Late Music of Tadd Dameron" – Awarded 9 Hours

9. Dr. John Feldmeier, Physics and Astronomy
   "Mining the Hobby-Everly-Telescope Dark Energy Survey" -- Awarded 6 Hours

10. Dr. David Griswold, Physical Therapy
    "A Pragmatically Applied Cervical and Thoracis Non-thrust Mobilizations versus Thrust Manipulation for Patients with Mechanical Neck Pain. A Multicenter Randomized Clinical Test" -- Awarded 9 Hours

11. Dr. Paul Louth, Dana School of Music
    "Music Educators' Perceptions of their Pedagogical Choices in Large Performance Settings" -- Awarded 9 Hours

12. Dr. Holly Martin
"Examining the Long-Term Effects of Simulated Body Conditions on a Biopolymer bonded to Implant-Quality Titanium" -- Awarded 6 Hours

13. Dr. Xiangjia Min, Biological Sciences
"Identification of alternatively spliced genes in fruit plants" -- Awarded 9 Hours

14. Dr. Deborah S. Mower, Philosophy and Religious Studies
"Moral Distress and Well-Being" -- Awarded 9 Hours

15. Dr. Alicia Preto Langarica, Mathmathics and Statistics
"Mathematical Modeling of Bone Remodeling" -- Awarded 6 Hours

16. Dr. Joe Joong Ryu, Mechanical and Industrial Engineering
"Evolution of oxide films of metallic implants during contact corrosion fatigue" -- Awarded 6 Hours

17. Dr. Emre Ulusoy, Marketing
"Vegan Consumption for Sustainability" -- Awarded 6 Hours

18. Dr. Yogesh Uppal
"Female Legislators and Economic Growth: Evidence from State Elections in India" -- Awarded 9 Hours

19. Dr. Jessica Wallace, Human Performance and Exercise Science
"Disparities in Concussion Awareness, Incidence and Management" -- Awarded 9 Hours

20. Dr. Wang, Chemistry
"Study of Low Cost Copper-Based Automotive Catalytic Converter Washcoat Materials" -- Awarded 9 Hours

21. Dr. Feng Yu, Computer Science and Information Systems
"Improve Write Speed in Column-Store Databases on Big Data using Timestamped Binary Association Table" -- Awarded 6 Hours

INCREASE EXCELLENCE

YOUNGSTOWN STATE UNIVERSITY

FACULTY ACHIEVEMENTS

Recent scholarly work and accomplishments of Youngstown State University faculty:

Excellence in Education

Five YSU faculty members were among 100 college and university educators across Ohio recognized with Excellence in Education honors by *Ohio Magazine.* YSU honorees are: **Philip Brady**, professor, English; **Ramesh Dangol**, assistant professor, Management; **Rachael Pohle-Krauza**, associate professor, Human Ecology; **Alicia Prieto Langarica**, assistant professor, Mathematics & Statistics; and **Jake J. Protivnak,** associate professor and chair, Counseling, Special Education & School Psychology. The awards are based on nominations by the schools and aim to honor educators who are inventive, inspiring and instrumental to helping their students learn and grow.

25 Under 35

Six members of YSU's faculty and staff who were named Mahoning Valley 25 Under 35 Honorees for 2016 are: **Rebecca Curnalia**, associate professor, Communication; **Mollie Hartup**, assistant director, University Events; **Dominic Marchionda**, planning coordinator, Center for Urban and Regional Studies; **Robert Thompson**, assistant professor, Art; **Thomas Wakefield**, associate professor, Mathematics and Statistics; and **Cicilia Yudha**, assistant professor, Music; and **Lindsay Benton,** Theater and Dance. The awards program honors the region's best and brightest young professionals. An awards ceremony is planned for Feb. 11 at Stambaugh Auditorium, Youngstown.

Management Scholarship

Mona Bahl, assistant professor, Management, was awarded the Junior Faculty Scholarship at the 58th annual Midwest Academy of Management Conference in Columbus. Bahl also presented a paper, entitled "The influence of competition from informal firms on new product development," which was among three papers nominated for the best paper award at the conference.

Mona Bahl

Geography presentation

Geography professor **Craig S. Campbell,** made a presentation titled "The Fall and Rise of the 'Sport of Kings' on Western Reserve – Seven Ranges Border of Northeastern Ohio," at the annual meeting of the National Council for Geographic Education in Washington D.C.

Craig Campbell

Paris conference

Chet Cooper, professor, Biological Sciences, presented a poster in Paris at the 2015 Cell Wall Conference, sponsored by the International Society

Chet Cooper

for Human and Animal Mycology. Cooper also served as chair of a scientific session at the conference. The poster was co-authored by **Sarah Eisnaugle** and **Josh Engle**, who worked with Cooper as graduate students and completed their master's degrees this year; **Julio Budde,** molecular biology specialist, and **Tom Diggins,** professor, both in Biological Sciences; Sumanun Suwunnakorn, a former PhD student of Chiang Mia University in Thailand for whom Cooper served as international research mentor; and Nongnuch Vanittanakom, professor of Microbiology and his collaborator from Chiang Mai University. Suwunnakorn is now a postdoctoral investigator at the University of Rochester Medical School, Rochester, NY.

Production Economics

Ramesh Dangol, assistant professor, **Birsen Karpak**, professor, and **Mona Bahl,** assistant professor, all of Management, co-authored a paper titled "Timing cooperative relationships with sequential capability development process to reduce capability development trade-off." The paper was recently published in the *International Journal of Production Economics*.

Mari Alschuler

Strengths Conference

Dana Davis and **Mari Alschuler**, both assistant professors, Social Work,

Ramesh Dangol

made presentations at the Strengths Conference that YSU's Department of Social Work conducted on campus. Davis presented a paper titled "Taking the Burn Out of Burnout," and Alschuler presented on the topic "Application of Strength, Narrative and Trauma Perspectives in the Practice of Supervision."

Ecosystem Linkages

Thomas Diggins, professor, Biological Sciences, co-authored three posters on terrestrial/aquatic ecosystem linkages that were presented by three of his students at the 2015 annual meeting of the Ecological Society of America in Baltimore. The first, titled "White-tailed Deer *(Odocoileus virginianus)* herbivory in Northeastern Ohio riparian zones: A preference study," was presented by **Danielle Mutchler**, who recently earned an master's degree in Biological Sciences. "Spatio-temporal patterns in beaver pond complexes as habitat for Eastern Spotted Newts (*Notophthalmus viridescens*) in a hemlock-northern-hardwood zone in Western New York State" was presented by **Shannon Doherty**, recent grad with a master's in Geological and Environmental Sciences. Finally, a paper titled "Hydrology, sedimentology, and
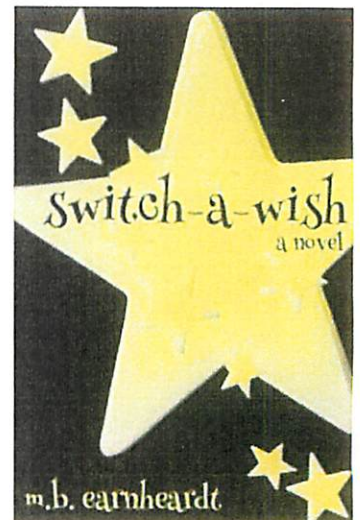
Dana Davis

Thomas Diggins

geomorphology as drivers of succession vs. flood disturbance within riparian forests of middle order streams of the Northeast" was presented by **Leah Kaldy**, also a recent master's graduate in Geological and Environmental Sciences graduate and the recipient of a Cushwa Fellowship.

Switch-A-Wish

Mary Beth Earnheardt, an associate professor of Communication, has published her first novel, titled *Switch-A-Wish*. Published by Three Worlds Press in New Jersey, it is available in print and ebook form. Originally classified as a work of women's fiction, the book breaks genre boundaries, crossing over into chick lit and fantasy.

Social Work

Shirley Keller, professor, and **Stephanie Rhee,** assistant professor, both of Social Work, presented a workshop titled "Culturally Competent Practice with Korean Immigrant Elders" at the 2015 National Association of Social Workers Ohio Chapter Conference in Columbus. **Mari Alschuler**, assistant professor, and **Thelma Silver,** professor, also of Social Work, presented a workshop titled "Integrating Spirituality into Culturally Responsible Biopsychosocial Assessments."

Switch-a-wish
a novel

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Counseling Excellence

Vicki Kress

Vicki Kress, a professor of Counseling, was awarded the Robert O. Stripling Award for Excellence in Standards by the Association for Counselor Education and Supervision at an awards luncheon in Philadelphia. The award recognizes and honors an ACES member who demonstrates a commitment to leadership in the advancement of standards for counselor education programs. Kress's award, in particular, recognizes her contributions to Ohio becoming the first state to require accreditation by the Council for Accreditation of Counseling and Related Educational Programs for licensure. Kress was also invited in November to serve as a panelist to speak on the topic of "Suicide Awareness" at the National Press Club's Mental Health Symposium.

Magnet Technology

Frank X. Li, associate professor, Electrical and Computer Engineering, presented two articles, titled "*A Theoretical Design Approach for Passive Shimming of a Magic-Angle-Spinning NMR Magnet*" and "*High Resolution Magnetic Field Mapping System with a NMR probe,*" at the 50th annual International Conference on Magnet Technology in South Korea. **Michael Sammartino**, a recent master's graduate, and **Jalal Jalali**, professor of Electrical and Computer Engineering, are co-authors of the articles.

Michigan Mudd

Assistant Art Professor **Missy McCormick** was a presenter at Michigan Mudd, a national ceramic conference presented by the Michigan Ceramic Art Association Conference. The conference and exhibition were held at Henry Ford College in Dearborn, Mich., where McCormick demonstrated her work and exhibited in the college's Sisson Gallery. In October, McCormick's work was featured in a solo exhibition, titled "Shifting Perspective," in the Foster Art Gallery at Westminster College in New Wilmington, Pa. She also had three works on display this fall in Alberta, Canada, as part of the International TOOL exhibition, an exhibition inspired by the processes and tools of our trade.

BMC Genomics

Xiangjia "Jack" Min

Xiangjia "Jack" Min, an associate professor of Biological Sciences, published a research article titled "Genome-wide cataloging and analysis of alternatively spliced genes in cereal crops" in *BMC Genomics*. Partnering with Min in the research were: **Brian Powell,** current graduate student; **Jonathan Braessler,** undergraduate student; **John Meinken,** a recent master's graduate; **Feng Yu,** assistant professor of CSIS; and Gaurav Sablok, a collaborator at University of Technology, Sydney, Australia. Min also participated in the pineapple genome sequencing and annotation project with an international team comprising 70 scientists. The work was published in the journal *Nature Genetics*.

Stock selection

Moon Nguyen, an assistant professor of Mathematics and Statistics, published an article, titled "Hidden Markov Model for Stock Selection," in the *Journal Risks*. In the article, Nguyen discusses use of the hidden Markov model for stock selection – the model has been used in speech recognition systems, computational molecular biology and market predictions.

Moon Nguyen

"Lust and Disgust"

Diana Palardy, an associate professor of Foreign Languages and Women's and Gender Studies, wrote an article titled "Lust and Disgust: The Rhetoric of Abjection in the Spanish Immigration Films Bwana, Flores de otro mundo and Princesas," published in the *Bulletin of Hispanic Studies. The Bulletin* is recognized across the world as one of the front-ranking journals in the field of Hispanic scholarship. Palardy also presented a paper recently, titled "Into the Matrix of Contemporary Spanish Squatter Communities: Navigating through Utopian Landscapes of Hospitality and Dystopian Landscapes of Hostility in the novel Okupada by Care Santos," at the Society for Utopian Studies Conference.
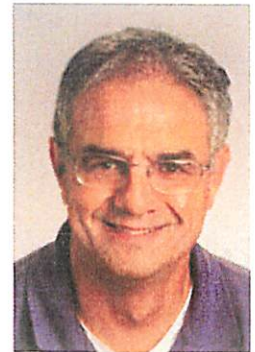
Diana Palardy

Research Award

Matt Paylo, an associate professor and director of Counseling, is the 2015 recipient of the Ohio Counseling Association Research and Writing Award. The award was presented at the All Ohio Counselors Conference in Columbus in November. Paylo is a highly productive scholar who has co-authored one textbook, generated book chapters and presentations, and had articles accepted for publication in *The Professional Counselor, Journal of Creativity in Mental Health, The Journal of Counselor Preparation and Supervision, Annual Review of Addiction and Offender Counseling, The Family Journal* and the *Journal of Counseling and Development.*

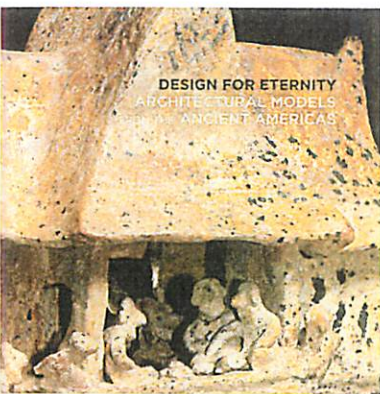Matt Paylo

Foreign Languages

John Sarkissian, chair, Foreign Languages, and **Jennifer Behney**, assistant professor, Foreign Languages, were invited to participate in a special session at the American Council for the Teaching of Foreign Languages convention in San Diego. They were part of a panel discussion entitled "ACTFL/CAEP Program Review and International Update: One Program's Journey from 'Further Development Required' to 'Nationally Recognized.'" In addition, they presented research at a session entitled "Perceived Influence of Cooperating Teachers on edTPA Results."

Jennifer Behney

John Sarkissian

"Cadillac Charlie"

History Professor **Fred Viehe,** participated in a telephone interview with a reporter from The Dead Files, an investigative television series featured on the Travel Channel. He was asked to talk about the 1963 murder of Charles Cavallaro, alias "Cadillac Charlie," a racketeer whose sensational murder was among the crimes that prompted the Saturday Evening Post to give Youngstown the dubious title of "Crimetown USA" later that year.

Ancient Americas

Patricia Sarro, professor of Art, has co-authored a book titled *Designing for Eternity: Architectural Models from the Ancient Americas.* The book was published in conjunction with an exhibition of the same name that opened at The Metropolitan Museum of Art in New York in October. Sarro served as consultant for the exhibition. Her book explores the creation and context of small-scale architectural effigies placed in tombs and shrines in the Precolumbian Americas.

Y YOUNGSTOWN STATE UNIVERSITY

OFFICE OF MARKETING & COMMUNICATIONS

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