



**Academic Affairs Committee Meeting**  
**Thursday, August 15, 2024**  
**Zoom Webinar**

[Zoom Webinar](#) | Passcode: 968040

**Agenda**

- |  |                        |
|--|------------------------|
| <b>I. Call to Order</b>  | Stephanie White, Chair |
| <b>II. Roll Call</b>   | Anna Lochas            |
| <b>III. Greeting</b>   | Stephanie White, Chair |
| <b>IV. Public Comment</b>  | Anna Lochas            |
| <b>V. Approval of Minutes</b>  | Stephanie White, Chair |
| a. <a href="#">May 16, 2024</a> : Committee Meeting Minutes                        |                        |
| <b>VI. New Business</b>  | Stephanie White, Chair |
| a. Action Item   |                        |
| i. <a href="#">ACA-1</a> : Approve Tenure as a Condition of Employment             |                        |
| ii. <a href="#">ACA-2</a> : Approve 2023-2024 Institutes and Centers Annual Report |                        |
| iii. <a href="#">ACA-3</a> : Approve Textbook Affordability Annual Report          |                        |
| iv. <a href="#">ACA-4</a> : Approve General Education Course Offerings             |                        |
| b. Information Item  |                        |
| i. <a href="#">INFO-1</a> : Summary of Degree Program Changes                      |                        |
| <b>VII. Announcements</b>  | Stephanie White, Chair |
| <b>VIII. Adjournment</b>   | Stephanie White, Chair |



**Academic Affairs Committee  
May 16, 2022  
Zoom Webinar  
DRAFT Minutes**

---

**Table of Contents**

Committee Meeting .....	1
I. Call to Order .....	2
II. Roll Call .....	2
III. Greeting .....	2
IV. Public Comment .....	2
V. Approval of Minutes .....	2
VI. New Business .....	3
A. Action Items .....	3
1. ACA-1: Approve Tenure .....	3
2. ACA-2: Tenure as a Condition of Employment .....	3
3. ACA-3: Approve Request to Offer a New Degree Program .....	3
4. ACA-4: Approve Request to Reduce Program Hours .....	4
5. ACA-5: Review and Approve General Education Course Offerings .....	4
6. ACA-6: Revisions to UWF/REG 3.033 Transfer of Credit .....	4
B. Information Items .....	4
1. INFO-1: 2023-2024 Post-Tenure Review .....	4
2. INFO-2: Review of New Academic Degree Program Proposal List .....	5
VII. Announcements .....	5
VIII. Adjournment .....	5

---

**Committee Meeting**

**10:20 a.m.**

The public was provided with information to join this virtual public meeting on the UWF Board of Trustees website.

## **I. Call to Order**

- A. The meeting of the UWF Board of Trustees Academic Affairs Committee was called to order at 10:20 a.m. by committee Chair Stephanie White.

## **II. Roll Call**

- A. Chair White asked Anamarie Mixson to conduct roll call. Trustees Stephanie White, Paul Hsu, and Susan James were in attendance.
- B. Other Trustees in attendance included:
  - 1. Suzanne Lewis, Dick Baker, Alonzie Scott, and Jill Singer.
- C. Others in attendance included:
  - 1. Martha Saunders, President; Jaromy Kuhl, Provost; Gregory Tomso, Vice President of Academic Engagement & Student Affairs; Howard Reddy, Vice President of University Advancement; Dave Scott, Associate Vice President for Athletics; Jamie Sprague, Chief Human Resource Officer; Susan Woolf, General Counsel; Anamarie Mixson, Assistant Vice President for the Office of the President; Abigail Megginson, Director, Government Relations; Cindy Talbert, Chief Audit Executive; Matt Packard, Chief Compliance Officer; Dallas Snider, Vice Provost; Dan Lucas, Associate Vice President for Advancement; Jeffrey Djerlek, Associate Vice President of Finance and Controller; Angela Bryan, SACSCOC Liaison and Director of Institutional Effectiveness; Chris Martin, Assistant Vice President of Facilities Management; Ethan Henley, Director of Undergraduate Admissions; Brittany Sherwood, Director of Strategic and Presidential Communication; Patrice Moorer, Assistant Vice President; Michael Wyatt, Assistant General Counsel; Leasha Barry, Director of the Center for Behavior Analysis; Angela Hahn, Chair of Health Sciences and Administration; Lauren Alidor, Internal Auditor; Rachel Conway, Director of Financial Aid and Scholarships; Dacia Larin, Assistant Vice President; and Allan Pierce, Lead Help Desk Analyst.

## **III. Greeting**

- A. Chair White welcomed everyone to the meeting and noted that there were six action items and two information items on the Academic Affairs Committee agenda.

## **IV. Public Comment**

- A. Chair White opened the floor for public comment. There was none.

## **V. Approval of Minutes**

- A. Chair White reminded the committee members that they had been given the opportunity ahead of time to review the minutes of the February 15,

2024, Academic Affairs Committee Meeting. Chair White asked for a motion to approve the minutes as presented if there were no changes or corrections.

1. Motion by: Trustee Hsu
2. Seconded by: Trustee James
3. Motion passed unanimously.

## **VI. New Business**

### **A. Action Items**

#### **1. ACA-1: Approve Tenure**

- a. The first action item was presented by Provost, Dr. Jaromy Kuhl on the nomination of twelve faculty members for tenure.
- b. Chair White asked for a motion to approve tenure for the twelve faculty members presented today.
  - i. Motion by: Trustee Hsu
  - ii. Seconded by: Trustee James
  - iii. Motion passed unanimously.

#### **2. ACA-2: Tenure as a Condition of Employment**

- a. Provost, Dr. Jaromy Kuhl presented the second action item on tenure nominations as a condition of employment for six faculty members.
- b. Chair White asked for a motion to approve tenure as a condition of employment for the faculty members presented today with exception of Dr. Tolga Karsili.
  - i. Motion by: Trustee James
  - ii. Seconded by: Trustee Hsu
  - iii. Motion passed unanimously.

#### **3. ACA-3: Approve Request to Offer a New Degree Program**

- a. Dr. Dallas Snider to present the third action item on the request to offer the new degree program, the Master of Science in Behavior Analysis.
- b. Chair White asked for a motion to approve the request to offer the new degree program, the Master of Science in Behavior Analysis.
  - i. Motion by: Trustee James
  - ii. Seconded by: Trustee Hsu

iii. Motion passed unanimously.

4. ACA-4: Approve Request to Reduce Program Hours

- a. Dr. Dallas Snider to present the fourth action item on the request to reduce program hours for the Bachelor of Music Education, the Bachelor of Science in Nursing, and the Bachelor of Science in Clinical Laboratory Sciences.
- b. Chair White asked for a motion to approve the request to reduce program hours for the Bachelor of Music Education to 126 hours, the Bachelor of Science in Nursing to 120 hours, and the Bachelor of Science in Clinical Laboratory Sciences to 122 hours, as presented.
  - i. Motion by: Trustee Hsu
  - ii. Seconded by: Trustee James
  - iii. Motion passed unanimously.

5. ACA-5: Review and Approve General Education Course Offerings

- a. Dr. Dallas Snider to present their fifth action item on the review and approval of general education course offerings.
- b. Chair White asked for a motion to approve the list of general education course offerings effective fall 2025.
  - i. Motion by: Trustee James
  - ii. Seconded by: Trustee Hsu
  - iii. Motion passed unanimously.

6. ACA-6: Revisions to UWF/REG 3.033 Transfer of Credit

- a. Chair White called on Ethan Henley, Director of Undergraduate Admissions, to present the final action item on the revisions to UWF Regulation 3.033 Transfer of Credit.
- b. Chair White asked for a motion to conditionally approve revisions to UWF Regulation 3.033, Transfer of Credit as presented, conditioned upon no further substantive revision to the language of the regulation after the posting period is complete.
  - i. Motion by: Trustee Hsu
  - ii. Seconded by: Trustee James
  - iii. Motion passed unanimously.

B. Information Items

1. INFO-1: 2023-2024 Post-Tenure Review

- a. Provost, Dr. Jaromy Kuhl, presented the first information item on the 2023-2024 Post-Tenure Review.
2. INFO-2: Review of New Academic Degree Program Proposal List
  - a. Dr. Angela Bryan, SACSCOC Liaison and Director of Institutional Effectiveness, presented the second information item which was a review of the new academic degree program proposal list.

## **VII. Announcements**

- A. Chair White identified that all agenda items had been discussed. Chair White asked if the committee members had any additional business to discuss. No other business was discussed.

## **VIII. Adjournment**

**10:52 a.m.**

- A. Chair White thanked those in attendance for their participation. With no other business to discuss, Chair White adjourned the meeting at 10:52 a.m.

**Board of Trustees  
Academic Affairs Committee  
August 15, 2024**

## Tenure as a Condition of Employment

---

**Recommended Action:**

Approve Tenure as a Condition of Employment for Dr. Panagiotis Koutakis.

**Background Information:**

The University of West Florida Board of Trustees considers all nominations for tenure at its June meeting. Tenure nominations as a condition of employment will be considered as needed.

One faculty is being considered for tenure as a condition of employment:

- **Dr. Panagiotis Koutakis**, Associate Professor in the Department of Public Health, Usha Kundu, MD College of Health

**Implementation Plan:**

- Dr. Koutakis' appointment began on August 8, 2024

**Fiscal Implications:**

None

**Relevant Authority:**

UWF-UFF Collective Bargaining Agreement (16.9)

---

**Supporting Documents:**

1. Tenure Support and CV for Dr. Koutakis

**Prepared by:**

Jaromy Kuhl, Provost, Division of Academic Affairs, 850.473.2035, [jkuhl@uwf.edu](mailto:jkuhl@uwf.edu)

**Presenter:**

Jaromy Kuhl, Provost

July 18, 2024

Dr. Jaromy Kuhl, Provost  
University of West Florida  
11000 University Parkway  
Pensacola, FL 32571

Provost Kuhl:

The Department of Public Health faculty has reviewed Dr. Panagiotis Koutakis' CV and the Department of Public Health Bylaws. The committee has voted 3-0 in favor of his application for tenure in our department.

Please find attached

- The Department of Public Health Chair's Letter of Support for tenure
- Dr. Koutakis' CV
- The Department of Public Health's Bylaws (4-23-2024)

Please let me know if further information is needed.

Sincerely,



Justice Mbizo, Dr. PH  
Chair and Professor  
Department of Public Health  
Usha Kundu, MD College of Health  
University of West Florida  
11000 University Parkway  
Building 38, Room 127  
Pensacola, FL 32514  
850-474-2650 and 850-474-3191  
jmbizo@uwf.edu



# Panagiotis Koutakis, MS, PhD, FAHA

Associate Professor (with tenure)

Department of Biology

Baylor University

101 Bagby Ave

Waco, Texas 76708

Email: [panagiotis\\_koutakis@baylor.edu](mailto:panagiotis_koutakis@baylor.edu)

Scopus profile: <https://www.scopus.com/authid/detail.uri?authorId=35740803100>

Google Scholar profile: <https://scholar.google.com/citations?user=8wprQvgAAAAJ&hl=en>

Research gate profile: <https://www.researchgate.net/profile/Panagiotis-Koutakis>

ORCID number: 0000-0002-8352-5667

Website: [https://sites.baylor.edu/panagiotis\\_koutakis/](https://sites.baylor.edu/panagiotis_koutakis/)

Dual Citizenship: Greek and United States

## **Education**

- 2014      Doctor of Philosophy in Medical Sciences Interdepartmental Area  
University of Nebraska at Medical Center, Omaha NE  
Department of Surgery
- 2009      Master of Science in Exercise Science  
University of Nebraska at Omaha, Omaha NE
- 2005      Bachelor of Science in Exercise Physiology  
Aristotle University, Thessaloniki Greece

## **Professional Experience**

- 2023 -      *Associate Professor*, Baylor University, Waco, TX,  
Department of Biology
- 2023 -      Fellow of American Heart Association
- 2020 - 2023      *Assistant Professor*, Baylor University, Waco, TX  
Department of Biology
- 2018 – 2020      *Assistant Professor*, Florida State University, Tallahassee FL  
Department of Nutrition, Food and Exercise Sciences.
- 2018 – 2020      *Member of Institute of Successfully Longevity*  
Florida State University, Tallahassee FL  
An institute composed of faculty that promoted longevity through healthy and functional aging.
- 2016-2018      *Assistant Professor*, Baylor University, Waco TX  
Research and teach in the Department of Health, Human Performance and Recreation.
- 2015- 2016      *Post-Doctoral Research Associate*, University of Nebraska at Medical Center,  
Omaha NE

Coordinated clinical trials from the National Institute on Aging within the Department of Surgery.

2009-2014 *Graduate Research Assistant*, University of Nebraska at Medical Center, Omaha, NE

Worked as a graduate research assistant in the Department of Surgery.

2007-2009 *Graduate Research Assistant*, University of Nebraska at Omaha, Omaha NE  
Provided running and walking shoe analysis services to the community. Provided gait analysis to healthy and clinical populations.

### **National/International Service**

Veterans Affairs Medical Center, Research and Development Committee, Subcommittee for Scientific Review, Full voting member, March 2022-February 2024

Grant Reviewer, Veterans Affairs Merit Review Panel, Cellular and Molecular Medicine (CMM) May 2021-

Review 3 grant applications per cycle.

Grant Reviewer, American Heart Association

1) Transformational Project Award Basic Sciences 1 (2018- )  
Review 4 grant applications per cycle.

2) Predoctoral and Postdoctoral Fellowships  
Review 5 grant applications per cycle

3) (2019-)Abstract Reviewer, American Heart Association (2016- )  
Review 5-8 abstracts per cycle

Peripheral Vascular Disease Council Member, American Heart Association Scientific Sessions 2016

-Help with the organization of the Council meeting

### **Editorial Board**

*Associate editor*, BMC Cardiovascular Disorders

I manage 2-3 submitted manuscripts per month

*Associate editor*, Frontiers in Cardiovascular Medicine

I manage 2-3 submitted manuscripts per month

### **Journal Reviewer**

*Circulation* (January 2020-Present) - Total reviews: 5

*Journal of American Heart Association* (January 2015-Present) - Total reviews: 20

*Journal of Vascular Surgery* (January 2010-Present) - Total reviews: 15

*Annals of Surgery* (February 2015-Present) - Total reviews: 16

*Nature Scientific Reports* (February 2018-Present)- Total reviews: 4

*BMC Biology* (February 2019-Present)- Total reviews: 3

*Acta Physiologica* (August 2021-Present) Total reviews: 1

### **University Service**

Baylor University

*Chair*, Institutional Animal Care and Use Committee (IACUC; 2023-Present)

Responsible for managing the protocols submitted by the university researchers, managing the review process, assign members to review, perform the semi-annual facility inspection, maintaining AALAC accreditation.

*Member*, Inaugural member of Laboratory Research Safety Committee, (LRSC; 2022-Present)  
I review protocols submitted to the committee for laboratory research safety regulations and vote for all the protocols– One per cycle

*Member*, Institutional Review Board (IRB; 2021-Present)  
I review protocols involving clinical trials as the main reviewer and vote for all the other protocols – One per cycle

*Member*, Schofield Endowment Chair search committee (2020-Present)  
Involved in the hiring process of a Biomedical Scientist

*Member*, Mass Spectrometry Fees committee (Fall 2020)

*Member*, National and International Scholarships Committee (2017-2018)  
Involved in promoting the Fulbright scholarships subcommittee.

#### Florida State University

*Member*, Faculty Grievance Committee (2019-2020)  
We worked with faculty members that had issues with Florida State University's procedures

#### **Departmental Service**

##### Florida State University

*Member*, New faculty member search committee, Exercise Physiology (Fall 2018)  
Prepared, evaluated and interviewed potential candidates

*Member*, New faculty member search committee, Teaching (Spring 2019)  
Prepared, evaluated and interviewed potential candidates

*Member*, New faculty member search committee, Exercise Physiology (Fall 2019)  
Prepared, evaluated and interviewed potential candidates

##### Baylor University

*Member*, Schofield Chair Committee (Fall 2020-Present)  
Involved in the hiring process of a Biomedical Scientist

*Member*, Facilities Task Force (Spring 2017)  
Involved in designing and revising laboratory space

#### **Community Service**

Epistle reading at St. Nicolas Orthodox Church in Waco

#### **Professional Affiliations**

*Member*, American Heart Association (AHA) (2009-Present)

*Member*, Texas Society for Vascular and Endovascular Surgery (TSVES) (2016-Present)

*Member*, American Physiological Society (2011-Present)

*Member*, American College of Sports Medicine (2014- Present)

*Member*, Texas Chapter American College of Sports Medicine (2016- Present)

#### **Academic and Professional Honors and Awards**

Scholar of Alexander S. Onassis Public Benefit Foundation (F-ZD036 2007-2008).  
Scholarship to fund my master's degree

Scholar of Alexander S. Onassis Public Benefit Foundation (F-ZD036 2009-2010).  
Scholarship to fund my PhD degree

New England Journal of Medicine Journal Watch. Gait Abnormalities in Patients with Peripheral Arterial Disease. Allan S. Brett, MD reviewing Koutakis P et al. JVasc Surg 2010 Aug  
Review by Dr. Brett, the importance of studying gait pattern in patients with peripheral artery disease

April 2015 Cover of 'The Journal of Histochemistry & Cytochemistry', Koutakis et al. J

Histochem Cytochem. 63: 256-269.

Cover page image of the manuscript accepted for publication.

### **Undergraduate Student Honors and Awards**

Nathan Newton - Pathways Intern at the National Heart, Lung, and Blood Institute's Office of Translational Alliance's and Coordination, also known as the NHLBI Office of Innovation.

-First of its kind award for a Baylor Student. Nathan went to the NIH headquarters in Bethesda, MA for this internship.

Nathan Newton - Folmar Research Award. Department of Biology Jack G. and Noma Jean Folmar Research Fund to promote research.

Nathan Newton – Honors College research materials grant proposal

### **Grants, Contracts and Patents**

#### **Patents - Submitted**

1. Sulforaphane as a treatment of ischemia-reperfusion injury (pending)
2. miRNA-210 delivery system to treat ischemia/reperfusion injury (pending)

#### **External Support Received - Active**

*The Role of microRNA-210 in regulating oxidative stress in patients with peripheral artery disease*

Human clinical trial (<https://clinicaltrials.gov/ct2/show/NCT04089943>) investigating the changes of miR-210 in patients with peripheral artery disease after a surgical intervention.

Budget: \$2,872,531

Application ID# 1 R01 AG064420-01

Funded: Impact Score 14 (Best possible score:10)

Grantor: National Institute on Aging

Principal Investigator: **Panagiotis Koutakis**

Starting and Ending Date: 08/15/2019- 03/31/2024

*Advancing Diversity in Aging Research.*

Budget: \$294,231

Application ID# 1 R01 AG064420-01 (supplement)

Grantor: National Institute on Aging

Principal Investigator: **Panagiotis Koutakis**

Candidate/Trainee: Dr. Jeff Forsse

Starting and Ending Date: 02/15/2022- 03/31/2024

#### **Internal Support Received - Active**

*OVPR Postdoctoral Research Associate*

Awarded by the OVPR to increase research expenditure and complement the human work with animal work.

Budget: \$188,100

Grantor: Baylor University

Starting and Ending Date: 08/01/2021-07/31/2024

#### **External Support Received – Funded (turned down)**

*The mechanism of skeletal muscle degeneration in claudication: The role of oxidative stress and the calpain proteolytic system*

Continuation of the scientist development grant to investigate the role of calcium regulation and reactive oxygen species under ischemia-reperfusion injury.

Budget: \$436,739

Application ID# 1 R15 AR073617-01A1  
Funded: Impact score 24  
Percentile: 8<sup>th</sup>  
Budget: \$407,317  
Grantor: National Institute of Health  
Principal Investigator: **Panagiotis Koutakis**

**External Support Received - Ended**

*The role of calpain proteolytic system in regulating skeletal muscle degeneration in claudication*  
Scientist development/training grant investigating calpains in breaking down skeletal muscle in the claudicating patients.

Application ID# 17SDG33630088  
Grantor: American Heart Association; Scientist Development Grant  
Budget: \$231,000  
Principal Investigator: **Panagiotis Koutakis**  
Starting and Ending Dates: 08/01/2017-07/31/2020

*PQQ treatment to improve walking function in claudication*

We investigated the effect of the antioxidant PQQ as treatment for claudication  
Grantor: Nascent Health Sciences, Inc  
Amount: \$50,900  
Principal Investigator: **Panagiotis Koutakis**  
Starting and Ending Dates: 07/1/2017 – 08/31/2018

*Summer Sabbatical*

Write a research paper  
Agency: Baylor University- Office of the Provost  
Amount: \$15,000  
Status: Approved  
Principal Investigator: **Panagiotis Koutakis**  
Starting and Ending Dates: 06/01/2017 to 08/01/2017

*Skeletal muscle degeneration in claudication: The role of oxidative stress and the calpain system (Proposal# 074-17)*

Expand on preliminary data that led to the AHA grant.  
Agency: Baylor University- Office of the Provost; University Research Committee  
Funded: \$7,500  
Principal Investigator: **Panagiotis Koutakis**  
Starting and Ending Dates: 12/15/2016 to 05/31/2017

*Morphometric parameters of gastrocnemius biopsies from patients with PAD correlate with biomechanical parameters*

Pre-doctoral fellowship investigating morphometric parameters of gastrocnemius myofibers in healthy control and patients with peripheral artery disease.  
Grantor: American Heart Association Pre-Doctoral Fellowship (13PRE13860010), Midwest Affiliate  
Funded: \$52,000  
Principal Investigator: **Panagiotis Koutakis**  
Starting and Ending Dates: 01/01/13-12/31/14

*Supervised exercise therapy affects the myopathy and limb function of patients with peripheral artery disease*

Post-doctoral fellowship investigating the effect of exercise on the skeletal muscle of patients with peripheral artery disease.  
 Grantor: American Heart Association Postdoctoral Fellowship (15POST25520004), Midwest  
 Funded: \$95,000  
 Principal Investigator: **Panagiotis Koutakis**  
 Starting and Ending Dates: 07/01/15-08/01/16

*Impact of Resistance Training on Balance in Multiple Sclerosis Patients*

Trained patients with multiple sclerosis with a resistance training protocol for 12 weeks

Grantor: University Committee on Research & Creative Activity (UCRCA)

Funded: \$500

Principal Investigator: **Panagiotis Koutakis**

Starting and Ending Dates: 01/21/09-06/30/09

**External Support submitted by post-doctoral students**

**Funded**

*BRASSICA: Broccoli to Attenuate Arterial Stiffness in Limb Ischemia*

This research proposal tests the overall hypothesis that reduced nrf2 expression and activation is involved in arterial dysfunction in PAD, by increasing vascular collagen production.

Grantor: USDA; Postdoctoral Fellowship

Budget: \$ 224,992

Principal Investigator: Ahmed Ismaeel

Mentor: **Panagiotis Koutakis**

Starting and Ending Dates: 09/01/2021-08/31/2023

**Research and Scholarship**

Journal	Impact Factor
Annals of Surgery	13.787
Biological Psychiatry	12.810
Ageing Research Reviews	11.788
Redox Biology	11.787
Translational Research	10.171
Antioxidants	7.675
International Journal of Molecular Sciences	6.208
Nutrients	5.717
Journal of Translational Medicine	5.531
Journal of the American Heart Association	5.501
Biochimica et Biophysica Acta - Molecular Basis of Disease	5.187
International Journal of Sport Nutrition and Exercise Metabolism	4.599
Molecules	4.411
Journal of Vascular Surgery	4.268
Journal of Clinical Medicine	4.241
Annals of Biomedical Engineering	3.934

American Journal of Physiology Regulatory, Integrative and Comparative Physiology	3.619
Surgery	3.356
PLoS One	3.240
International Journal of Sports Medicine	3.118
Journal of Sports Sciences	2.597
BMJ Open Sport and Exercise Medicine	2.490
Journal of Histochemistry and Cytochemistry	2.370
Gait & Posture	2.349
Physiological Reports	2.260
Journal of Surgical Research	2.417
Journal of Applied Biomechanics	1.617
Annals of Vascular Surgery	1.607
Journal of Exercise Physiology Online	0.266

**H Index: 24**

**Citations: 1,574**

#### **Invited Presentations**

Koutakis, P. (November, 2019). Ischemia Reperfusion Injury and Muscle Regeneration in PAD Patients. American Heart Association Scientific Sessions, Early Career Session, Philadelphia, PA, 2019.

Koutakis, P. (September, 2019). Ischemia Reperfusion Injury and Muscle Regeneration in PAD Patients. Emory Medical School, Department of Surgery.

Koutakis, P. (February, 2017). Pathogenesis of the Limb Manifestations and Functional Limitations in Peripheral Artery Disease. Presented at the 2017 Texas Chapter Annual Meeting. Waco, TX.

Koutakis, P. (October, 2016). Pathogenesis of the Limb Manifestations and Functional Limitations in Peripheral Artery Disease. Presented at the 2016 Baylor Scott and White Surgery Research Forum. Temple, TX.

Koutakis, P. (October, 2016). Translational Investigations of Skeletal Muscle Degeneration in the Lower Extremities of Patients with Peripheral Artery Disease. Presented at the 2016 International Symposium in Exercise and Health Science Research. Waco, TX.

#### **Book Chapters**

##### **Peer Reviewed**

**2021**

1. Ismaeel A., Lavado R., **Koutakis P.** Metabolomics of Peripheral Artery Disease. Book chapter at "Advances in Clinical Chemistry Volume 106". Will be published in January 2022. Editor: Gregory Makowski

##### **Peer Reviewed Journal Publications**

\*Denotes student publication, +corresponding or senior author

##### **Published -Peer Reviewed Journals (n=60)**

**2023**

1. AKT Mediates Adiponectin-Dependent Regulation of VSMC Phenotype. Cullen AE, Centner AM, Deitado R, Ismaeel A, Koutakis P, Muller-Delp J, Salazar G. Cells. 2023 Oct

20;12(20):2493. doi: 10.3390/cells12202493. PMID: 37887338

2. Exploring an Unknown Corner of a Well-Known Topic: HIIIE Influence on Renal Health and Filtration in Healthy Individuals Free of Cardiometabolic Diseases. Forsse JS, Richardson KA, Torres R, Lowry C, Taylor JK, Beeson CL, Ward J, Dhillon A, Niceler B, Ismaeel A, **Koutakis P**. Sports (Basel). 2023 Oct 30;11(11):210. doi: 10.3390/sports11110210. PMID: 37999427
  3. Forsse, J.S.; Richardson, K.A.; Chapman-Lopez, T.J.; Torres, R.; Heilesen, J.L.; Ismaeel, A.; Funderburk, L.; Gallucci, A.R.; Allison, D.C.; **+Koutakis, P**. The Utilization of Body Composition to Predict Cardiorespiratory Fitness and Determine Association with CKD Stage in Individuals with Mid-Spectrum CKD: A Pilot Study. Kidney Dial. 2023, 3, 265-273. <https://doi.org/10.3390/kidneydial3030024>
  4. Cullen, A. E., Centner, A. M., Deitado, R., Ukhanov, V., Ismaeel, A., **Koutakis, P.**, Delp, J., & Salazar, G. (2023). The Duality of Adiponectin and the Role of Sex in Atherosclerosis. bioRxiv, (), 2023.05.23.541764. Accessed August 05, 2023. <https://doi.org/10.1101/2023.05.23.541764>.
  5. Tsai S, Liu Y, Hoang L, Vu M, Lu H, Ramanan B, Fernandez Vazquez D, Rosol Z, Sayfo S, Alaiti MA, Koutakis P, Brilakis ES, Shishehbor MH, Banerjee S. Comparative Outcomes of Interventions for Femoropopliteal Chronic Total Occlusion Versus Non-Chronic Total Occlusion Lesions From the Multicenter XLPAD Registry. J Am Heart Assoc. 2023 Jun 20;12(12):e028425. doi: 10.1161/JAHA.122.028425. Epub 2023 Jun 15. PubMed PMID: 37318023.
  6. Fletcher E, Miserlis D, Sorokolet K, Wilburn D, Bradley C, Papoutsi E, Wilkinson T, Ring A, Ferrer L, Haynatzki G, Smith RS, Bohannon WT, **+Koutakis P**. Diet-induced obesity augments ischemic myopathy and functional decline in a murine model of peripheral artery disease. Transl Res. 2023 May 21;. doi: 10.1016/j.trsl.2023.05.002. [Epub ahead of print] PubMed PMID: 37220835.
  7. Chapman-Lopez, T. J., Heilesen, J. L., Torres, R., Richardson, K. A., Gallucci, A. R., **Koutakis, P.**, Funderburk, L. K., & Forsse, J. S. (2023). Rocketing to New Frontiers: The Effects of Arugula Consumption on Cardiovascular Health – A Call for Action. International Journal of Disease Reversal and Prevention, 5(2), 8 pp. <https://doi.org/10.22230/ijdrp.2023v5n2a375>
  8. Scrivner O, Fletcher E, Hoffmann C, Li F, Wilkinson T, Miserlis D, Smith RS, Bohannon WT, Jordan WD, Sutliff R, Koutakis P, Brewster LP. Myoglobinemia, Peripheral Arterial Disease, and Patient Mortality. J Am Coll Surg. 2023 Jan 20. doi: 10.1097/XCS.0000000000000554. Online ahead of print. PMID: 36656266
- 2022**
9. Chapman-Lopez T, Wilburn D, Fletcher E, Adair K, Ismaeel A, Heilesen J, Gallucci A, Funderburk L, **Koutakis P**, Forsse JS. The influence of resistance training on adipokines in post-menopausal women: A brief review. Sports Med Health Sci. 2022 Sep 20;4(4):219-224. doi: 10.1016/j.smhs.2022.09.001. eCollection 2022 Dec. PMID: 36600971
  10. \*Wilburn D, Fletcher E, Ismaeel A, Miserlis D, Zechmann B, **+Koutakis P**. Chemical and Cryo-Collection of Muscle Samples for Transmission Electron Microscopy Using Methacarn and Dimethyl Sulfoxide. Ultramicroscopy. 2022 Aug 11;241:113600. doi: 10.1016/j.ultramic.2022.113600. Online ahead of print. PMID: 35988477



11. Leutzinger, T.J., Koutakis, P., Fuglestad, M., Rahman, H., Despiegelaere, H., Hassan, H., Schieber, M., Johanning, J.M., Stergiou, N., Longo, G.M., Casale, G.P., Myers, S., Pipinos, I.I. Peripheral artery disease affects the function of the legs of claudicating patients in a diffuse manner irrespective of the segment of the arterial tree primarily involved. *PLoS One*. 2022 Jul 13;17(7):e0264598. doi: 10.1371/journal.pone.0264598. eCollection 2022. PMID: 35830421
12. Stamatidis, A., Morgan, G.B., Nyamaruze, P., **Koutakis, P.** Mental Toughness Development via Military-Style Training in the NCAA: A Three-Phase, Mixed-Method Study of the Perspectives of Strength and Conditioning Coaches. *Sports (Basel)*. 2022 Jun 9;10(6):92. doi: 10.3390/sports10060092. PMID: 35736832
13. \*Ring, A., Ismaeel, A., Wechsler, M., Fletcher, E., Papoutsis, E., Miserlis, D., **Koutakis, P.** MicroRNAs in Peripheral Artery Disease: Potential Biomarkers and Pathophysiological Mechanisms. *Ther Adv Cardiovasc Dis*. 2022 Jan-Dec;16:17539447221096940. doi: 10.1177/17539447221096940. PMID: 35583375
14. Heilesen JL, Papadakis Z, Ismaeel A, Richardson KA, Torres R, Funderburk L, Gallucci A, **+Koutakis P**, Forsse JS. The Benefits of Utilizing Total Body Composition as a Predictor of Cardiorespiratory Fitness Based on Age: A Pilot Study. *Int J Environ Res Public Health*. 2022 May 9;19(9):5758. doi: 10.3390/ijerph19095758. PMID: 3556515
15. Forsse JS, Buckley D, Ismaeel A, Richardson KA, Oliver A, **+Koutakis P**. Effect of Age and Acute-Moderate Intensity Exercise on Biomarkers of Renal Health and Filtration. *Biology (Basel)*. 2022 Mar 30;11(4):527. doi: 10.3390/biology11040527. PMID: 35453726
16. \*Holmes M, **Koutakis P**, Ismaeel A. Aging alters gastrocnemius muscle hemoglobin oxygen saturation (StO<sub>2</sub>) characteristics in healthy individuals. *Eur J Appl Physiol*. 2022 Apr 13. doi: 10.1007/s00421-022-04944-0. Online ahead of print. PMID: 35419666
17. Papadakis Z., Retortillo SG., **+Koutakis P.** Effects of Acute Partial Sleep Deprivation and High-Intensity Interval Exercise on Postprandial Network Interactions. *Front Netw Physiol*. 2022 Apr 13;2:869787. doi: 10.3389/fnetp.2022.869787. PMID: 36926086; PMCID: PMC10013041.
18. Ismaeel A, Fletcher E, Miserlis D, Wechsler M, Papoutsis E, Haynatzki G, Smith RS, Bohannon WT, **+Koutakis P**. Skeletal Muscle MiR-210 Expression is Associated with Mitochondrial Function in Peripheral Artery Disease Patients. *Transl Res*. 2022 Mar 11:S1931-5244(22)00046-9. <https://doi.org/10.1016/j.trsl.2022.03.003>. Online ahead of print. PMID: 35288364
19. Ismaeel A, Laudato JA, Fletcher E, Papoutsis E, Tice A, Hwa LS, Miserlis D, Jamurtas AZ, Steiner J, **+Koutakis P**. High-Fat Diet Augments the Effect of Alcohol on Skeletal Muscle Mitochondrial Dysfunction in Mice. *Nutrients*. 2022 Feb 28;14(5):1016. <https://doi.org/10.3390/nu14051016>. PMID: 35267991 Free PMC article. Clinical Trial.
20. Forsse, J.; \*Buckley, D.; Ismaeel, A.; Richardson, K.; Oliver, A.; **+Koutakis, P.** Effect of Age and Acute-Moderate Intensity Exercise on Biomarkers of Renal Health and Filtration. *Biology* 2022, 11(4), 527; <https://doi.org/10.3390/biology11040527>. <https://www.mdpi.com/2079-7737/11/4/527>

21. \*Torres R, Lowry C, Adair K, Ismaeel I, **Koutakis P**, Forsse JS. The Influence of an Acute Bout of High-Intensity Interval Exercise on Heart Rate Variability Indices and Stress Index in the Absence of Cardiometabolic Diseases. *Research Directs in Health Sciences*, 2(1). <https://doi.org/10.53520/rdhs2022.10430>

## 2021

22. Scrivner O, Ismaeel A, Kumar MR, Sorokolet K, **Koutakis P**, Farmer PJ. Expanding the Reactive Sulfur Metabolome: Intracellular and Efflux Measurements of Small Oxoacids of Sulfur (SOS) and H<sub>2</sub>S in Human Primary Vascular Cell Culture. *Molecules*. 2021 Nov 26;26(23):7160. doi: 10.3390/molecules26237160. PMID: 34885743
23. Ismaeel, A., Miserlis, D., Papoutsis, E., Haynatzki, G., Bohannon, W.T., Smith, R.S., Eidson, J.L., Casale, G.P., Pipinos, I.I., **+Koutakis, P.** Endothelial Cell-Derived Pro-fibrotic Factors Increase TGF- $\beta$ 1 Expression by Smooth Muscle Cells in Response to Cycles of Hypoxia-Hyperoxia. *Biochim Biophys Acta Mol Basis Dis*. 2022 Jan 1;1868(1):166278. doi: 10.1016/j.bbadis.2021.166278. Epub 2021 Oct 1. PMID: 34601016; PMCID: PMC8629962..
24. \*Wilburn, D., Ismaeel, A., Machek, S., Fletcher, E., **+Koutakis, P.** Shared and Distinct Mechanisms of Skeletal Muscle Atrophy: A Narrative Review. *Ageing Res Rev*. 2021 Sep 14:101463. doi: 10.1016/j.arr.2021.101463. Online ahead of print. PMID: 34534682
25. Forsse, J.S., \*Buckley, D, Ismaeel. A., Adair, K, \*Torres, R., \*Lowry, C,\* Dhillon, A, **+Koutakis, P.** In the absence of cardiometabolic diseases, is age an independent factor in assessing renal health and filtration? A pilot study. *J Nephropathol*. 2021;10(x):exx. DOI: 10.34172/jnp.2021.xx.
26. Ismaeel A, Greathouse KL, \*Newton N, Miserlis D, Papoutsis E, Smith RS, Eidson JL, Dawson DL, Milner CW, Widmer RJ, Bohannon WT, **+Koutakis P.** Phytochemicals as Therapeutic Interventions in Peripheral Artery Disease. *Nutrients*. 2021 Jun 22;13(7):2143. doi: 10.3390/nu13072143.
27. Dykstra, R., **Koutakis, P.**, Hanson, N. (2021). Relationship Between Physical Fitness Variables and Reaction Time in eSports Gamers. *International Journal of eSports Research (IJER)*, 1(1), 1-14. <http://doi.org/10.4018/IJER.288540>

## 2020

28. Stamatidis A, Deal PJ, Morgan GB, Forsse JS, Papadakis Z, McKinley-Barnard S, Scudamore EM, **+Koutakis P.** Can athletes be tough yet compassionate to themselves? Practical implications for NCAA mental health best practice no. 4. *PLoS One*. 2020 Dec 31;15(12):e0244579. doi: 10.1371/journal.pone.0244579. PMID: 33382733; PMCID: PMC7774983.
29. Duclot F, Sailer L, **Koutakis P**, Wang Z, Kabbaj M. Transcriptomic Regulations Underlying Pair-bond Formation and Maintenance in the Socially Monogamous Male and Female Prairie Vole. *Biol Psychiatry*. 2020 Dec 9:S0006-3223(20)32108-9. doi: 10.1016/j.biopsych.2020.11.022. Online ahead of print. PMID: 33549315
30. Mietus CJ, Lackner TJ, Karvelis PS, Willcockson GT, Shields CM, Lambert NG, **Koutakis P**, Fuglestad MA, Hernandez H, Haynatzki GR, Kim JKS, DeSpiegelaere HK, Pipinos II, Casale GP. Abnormal Microvascular Architecture, Fibrosis, and Pericyte Characteristics in

the Calf Muscle of Peripheral Artery Disease Patients with Claudication and Critical Limb Ischemia. *J Clin Med*. 2020 Aug 8;9(8):2575. doi: 10.3390/jcm9082575. PMID: 32784470

31. Ismaeel A, Papoutsi E, Miserlis D, Lavado R, Haynatzki G, Casale GP, Bohannon WT, Smith RS, Eidson JL, Brumberg R, Hayson A, Kirk JS, Castro C, Sawicki I, Konstantinou C, Brewster LP, Pipinos II, **+Koutakis P**. The Nitric Oxide System in Peripheral Artery Disease: Connection with Oxidative Stress and Biopterins. *Antioxidants (Basel)*. 2020 Jul 6;9(7):590. doi: 10.3390/antiox9070590. PMID: 32640613
32. Dykstra, R., Ismaeel, A., **Koutakis, P.**, Hanson, N. (2020). Does Healthy Aging Affect Skeletal Muscle Oxygenation and Total Hemoglobin Responses During Self-Paced Exercise Testing? *Journal of Exercise Physiology Online*, 23(5), 14+. <https://link.gale.com/apps/doc/A640512742/AONE?u=txshracd2488&sid=googleScholar&xid=b1590ea2>
33. Stamatis A, Grandjean P, Morgan G, Padgett RN, Cowden R, **+Koutakis P**. Developing and training mental toughness in sport: a systematic review and meta-analysis of observational studies and pre-test and post-test experiments. *BMJ Open Sport Exerc Med*. 2020 Jun 16;6(1):e000747. doi: 10.1136/bmjsem-2020-000747. eCollection 2020. PMID: 32577300

## 2019

34. \*Ismaeel A, \*Franco M.E., Lavado R., Papoutsi E., Casale, G.P., Fuglestad M., Mietus, C.J., Haynatzki, G., Smith RS, Bohannon WT, Sawicki, I., Pipinos I.I, **+Koutakis, P**. Altered Metabolomic Profile in Patients with Peripheral Artery Disease. *J Clin Med*. 2019 Sep 14;8(9). pii: E1463. doi: 10.3390/jcm8091463.
35. \*Ismaeel A, Kim JS, Kirk JS, Smith RS, Bohannon WT, **+Koutakis P**. Role of Transforming Growth Factor- $\beta$  in Skeletal Muscle Fibrosis: A Review. *Int J Mol Sci*. 2019 May 17;20(10). pii: E2446. doi: 10.3390/ijms20102446. Review.
36. Hernandez H, Myers SA, Schieber M, Ha DM, Baker S, **Koutakis P**, Kim KS, Mietus C, Casale GP, Pipinos II. Quantification of Daily Physical Activity and Sedentary Behavior of Claudicating Patients. *Ann Vasc Surg*. 2019 Feb;55:112-121. doi: 10.1016/j.avsg.2018.06.017. Epub 2018 Aug 13. (
37. \*Ismaeel A, Holmes M, Papoutsi E, Panton L, **+Koutakis P**. Resistance Training, Antioxidant Status, and Antioxidant Supplementation. *Int J Sport Nutr Exerc Metab*. 2019 Mar 12:1-29. doi: 10.1123/ijsnem.2018-0339.

## 2018

38. \*Ismaeel A, Lavado R, Smith RS, Eidson JL, Sawicki I, Kirk JS, Bohannon WT, **+Koutakis P**. Effects of Limb Revascularization Procedures on Oxidative Stress. *J Surg Res*. 2018 Dec;232:503-509. doi: 10.1016/j.jss.2018.07.024. Epub 2018 Aug 3. Review.
39. \*Ismaeel A, Brumberg RS, Kirk JS, Papoutsi E, Farmer PJ, Bohannon WT, Smith RS, Eidson JL, Sawicki I, **+Koutakis P**. Oxidative Stress and Arterial Dysfunction in Peripheral Artery Disease. *Antioxidants (Basel)*. 2018 Oct 19;7(10). pii: E145. doi: 10.3390/antiox7100145. Review
40. **+Koutakis P**, \*Ismaeel A, Farmer P, Purcell S, Smith RS, Eidson JL, Bohannon WT.

Oxidative stress and antioxidant treatment in patients with peripheral artery disease. *Physiol Rep.* 2018 Apr;6(7):e13650. doi: 10.14814/phy2.13650. Review. (JCR Impact Factor: 2.26; Citations: 28)

41. Xu J, Cui X, Li J, **Koutakis P**, Pipinos I, Tzeng E, Chen A, Sachdev U. Chloroquine improves the response to ischemic muscle injury and increases HMGB1 after arterial ligation. *J Vasc Surg.* 2018 Mar;67(3):910-921. doi: 10.1016/j.jvs.2017.01.021. Epub2017 Mar 1. PMID: 28259568

## 2017

42. \*Dale M, Fitzgerald MP, Liu Z, Meisinger T, Karpisek A, Purcell LN, Carson JS, Harding P, Lang H, **Koutakis P**, Suh M, Batra R, Mietus CJ, Casale G, Pipinos I, Baxter BT, Xiong W. Premature aortic smooth muscle cell differentiation contributes to matrix dysregulation in Marfan Syndrome. *PLoS One.* 2017 Oct 17;12(10):e0186603. doi: 10.1371/journal.pone.0186603. eCollection 2017. PMID: 29040313
43. Long CA, Timmins LH, **Koutakis P**, Goodchild TT, Lefer DJ, Pipinos II, Casale GP, Brewster LP. An endovascular model of ischemic myopathy from peripheral arterial disease. *J Vasc Surg.* 2017 Sep;66(3):891-901. doi: 10.1016/j.jvs.2016.07.127. Epub2016 Sep 29. PMID: 27693032

## 2016

44. \*Ha, D.M., Carpenter, L.C., **Koutakis, P**, Swanson, S.A., Zhu, Z., Hanna, M., DeSpiegelaere, H.K., Pipinos, I.I., Casale, G.P. Transforming growth factor-beta 1 produced by vascular smooth muscle cells predicts fibrosis in the gastrocnemius of patients with peripheral artery disease. *J Transl Med.* 2016 Feb 4;14(1):39. doi: 10.1186/s12967-016-0790-3.

## 2015

45. Kamenskiy, A., Miserlis, D., \*Adamson, P., \*Adamson, M., Knowles, T., Neme, J., **Koutakis, P.**, Philips, N., Pipinos, I., MacTaggart, J. Patient Demographics And Cardiovascular Risk Factors Differentially Influence Geometric Remodeling Of The Aorta Compared To The Peripheral Arteries. *Surgery.* 2015 Jun 19. pii: S0039- 6060(15)00425-0. doi: 10.1016/j.surg.2015.05.013. [Epub ahead of print]
46. **Koutakis, P.**, Myers, S.A, Cluff, K., Ha D.M., Haynatzki, G., McComb R.D., Uchida, K., Miserlis, D., Papoutsis, E., Johanning, J.M., Casale, G.P. Pipinos, I.I. Abnormal Myofiber Morphology and Limb Dysfunction in Claudication. *J Surg Res.* 2015 Jun 1;196(1):172-9. doi: 10.1016/j.jss.2015.02.011. Epub 2015 Feb 13
47. **Koutakis, P.**, Miserlis, D., Myers, S.A., Kim, J.K.S., Zhu, Z., Papoutsis, E., Swanson, S.A., Haynatzki, G., Ha, D.M., Carpenter, L.A., McComb, R.D., Johanning, J.M, Casale, G.P., Pipinos, I.I. Abnormal Accumulation of Desmin in Gastrocnemius Myofibers of Patients with Peripheral Artery Disease: Associations with Altered Myofiber Morphology and Density, Mitochondrial Dysfunction and Impaired Limb Function. *J Histochem Cytochem.* 2015 Jan 9. pii: 0022155415569348
48. \*Saunders, N.W., **Koutakis, P**, Kloos, A.D., Kegelmeyer, D.A., Dicke, J.D., Devor S.T. Reliability and Validity of a Wireless Accelerometer for the Assessment of Postural Sway. *J Appl Biomech.* 2015 Jan 5.

## 2014

49. \*Cluff, K, \*Kelly, A.M., \***Koutakis, P**, He, X.N., Huang, X., Lu Y.F., Pipinos, I.I, Casale, G.P, Subbiah, J. Surface Enhanced Raman Spectral Biomarkers Correlate with Ankle Brachial Index and Characterize Leg Muscle Biochemical Composition of Patients with Peripheral Arterial Disease. *Physiol Rep*, 2 (9), 2014, e12148.
50. **Koutakis, P.**, Weiss D.J., A.A., Miserlis, D., Shostrom V.K., Papoutsis, E., \*Ha D.M., Carpenter L.A., McComb R.D., Casale, G.P., Pipinos, I.I. Oxidative damage in the gastrocnemius of patients with peripheral artery disease is myofiber type selective. *Redox Biol.* 2014 Jul 19;2:921-8. doi: 10.1016/j.redox.2014.07.002. eCollection 2014.
51. Thompson, J.R., Swanson, S.A., Haynatzki, G., \***Koutakis, P.**, Johanning, J.M., Reppert P.R., Papoutsis, E., Miserlis D., Zhu, Z., Casale, G.P., Pipinos, I. Protein Concentration and Mitochondrial Content in the Gastrocnemius Predicts Mortality Rates in Patients With Peripheral Arterial Disease. *Ann Surg.* 2014 Mar 25.
52. \*Saunders, N.W., \*Hanson, N., \***Koutakis, P**, Chaudhari, A.M., Devor, S.T. (2014). Landing ground reaction forces in figure skaters and non-skaters. *J Sports Sci.* 2014; 32(11):1042-9.

## 2013

53. Weiss, D.J., Casale, G.P., \***Koutakis, P.**, Nella, A.A., Swanson S.A., Zhu, Z., Miserlis, D., Johanning, J.M., Pipinos, I. Oxidative Damage and Myofiber Degeneration in the Gastrocnemius of Patients with Peripheral Arterial Disease. *J Transl Med.* 2013 Sep 25;11(1):230. [Epub ahead of print].
54. Kim, J.K., Zhu, Z., Casale, G., \***Koutakis, P.**, McComb, R.D., Swanson, S., Thompson, J., Miserlis, D., Johanning, J.M., Haynatzki, G., Pipinos, I.I. Human enterovirus in the gastrocnemius of patients with peripheral arterial disease. *J Am Heart Assoc.* 2013 Aug 6;2(4):e000082. doi: 10.1161/JAHA.113.000082.
55. Thompson, J.R., Swanson, S.A., Casale, G.P., Johanning, J.M., Papoutsis, E., \***Koutakis, P.**, Miserlis, D., Zhu, Z., Pipinos, I.I. Gastrocnemius mitochondrial respiration: are there any differences between men and women? *J Surg Res.* 2013 Nov;185(1):206-11.
56. \*Cluff, K., Miserlis, D., Naganathan, G.K., Pipinos, I.I., \***Koutakis, P.**, Samal, A., McComb, R., Subbiah, J., Casale, G. Morphometric Analysis of Gastrocnemius Muscle Biopsies from Patients with Peripheral Arterial Disease: Objective Grading of Muscle Degeneration. *Am J Physiol Regul Integr Comp Physiol.* 2013 Aug 1;305(3):R291-9.
57. \*Saunders, N.W., \*Hanson, N.J., \***Koutakis, P.**, Chaudhari, A.M., Devor, S.T. Figure Skater Level Moderates Balance Training. *Int J Sports Med.* 2013 Apr;34(4):345-9. doi: 10.1055/s-0032-1327653. Epub 2012 Nov 26.)
58. Mukherjee, M., \***Koutakis, P.**, Siu, K.C., Fayad, P.B., Stergiou, N. Stroke Survivors Control the Temporal Structure of Variability During Reaching in Dynamic Environments. *Ann Biomed Eng.* 2013 Feb;41(2):366-76. doi: 10.1007/s10439-012-0670-9. Epub 2012 Oct 13. 27 (JCR Impact Factor: 3.934; Citations: 14)
59. **Koutakis, P.**, Mukherjee, M, Vallabhajosula, S, Blanke, B.J., Stergiou N. Path Integration: Effect of Curved Path Complexity and Sensory System on Blindfolded Walking. *Gait & Posture.* 2013 Feb;37(2):154-8. doi: 10.1016/j.gaitpost.2012.06.027. Epub 2012 Jul 27)

## 2012

60. Wurdeman, S.R., **Koutakis, P.**, Myers, S.A., Johanning, J.M., Pipinos, I.I., Stergiou, N. Patients with peripheral arterial disease exhibit reduced joint powers compared to velocity-matched controls. *Gait & Posture*, 2012, Jul;36(3):506-9.

## 2010

61. **Koutakis, P.**, Johanning, J.M., Myers, S.A., Stergiou, N., Longo M., Pipinos, I.I. Abnormal joint powers before and after onset of claudication symptoms. *J Vasc Surg*, 2010, Aug;52(2):340-347.
62. **Koutakis, P.**, Pipinos, I.I., Myers, S.A., Stergiou, N., Lynch, T.G., Johanning, J. Joint torques and powers are reduced during ambulation for both limbs in patients with unilateral claudication. *J Vasc Surg*. 2010, Jan;51(1):80-88.

## Refereed Presentations

### Oral Presentations

1. Ismaeel, A., **Koutakis, P.**, Miserlis, D. Mechanisms of Microvascular Fibrosis in an In-vitro Model of Ischemia-Reperfusion. The Robert A. Clark Frontiers of Translation Science Research Day, Virtual, May 5, 2021.
2. Ismaeel, A., Papoutsis, E., Bohannon, W.T., Smith, R., Brumberg, R., Castro, C.H., Kirk, J.S., Pipinos, I.I., **Koutakis, P.** Nitric Oxide Bioavailability is Reduced in Peripheral Artery Disease in Association with Increased Oxidative Stress and an Altered Biopterin System. Vascular Research Initiatives Conference, Online, November 12, 2020. *Published in JVS: Vascular Science*. 2020; 1:258.
3. **Koutakis P.** Ischemia Reperfusion Injury and Muscle Regeneration in PAD Patients. American Heart Association Scientific Sessions, Philadelphia, PA, 2019.
4. **Koutakis P.**, Casale G.P., Papoutsis E., Kim K.S., Miserlis D., Haynatzki G., DeSpiegelaere H.K., Hernandez H., Mietus C.J., Ha D.M., Karvelis P., Tsigkas N., Chatzizisis Y.S., Pipinos, I.I. Revascularization improves the levels and organization of desmin cytoskeletal system in the gastrocnemius of patients with peripheral artery disease. American Heart Association Scientific Sessions, New Orleans, LA, 2016.
5. Kamenskiy A., Miserlis D., Adamson P., Adamson M., Knowles T., Neme J., **Koutakis P.**, Philips N., Pipinos I., MacTaggart J. Detailed morphometric analysis of 3D vascular anatomy of the chest, abdomen, pelvis and upper thigh for the optimized design of endovascular devices targeted to different patient populations. Frontiers in Medical Devices Conference, Washington, DC, 2015.
6. Ha D.M., Carpenter, L.A., Casale, G.P., Kim K.S., Swanson, S.A., **Koutakis, P.**, Papoutsis, E., Pipinos, I.I. Increased Expression of Transforming 40 Growth Factor-Beta 1 in the Gastrocnemius of Patients with Peripheral Artery Disease is a Localized Response in the Ischemic Muscle. Arteriosclerosis, Thrombosis, and Vascular Biology, San Francisco, CA, 2015.
7. **Koutakis, P.**, Pipinos, I., Cluff, K., Miserlis, D.; Thompson, J.R., Ha D.M., Papoutsis, E., Swanson, S.A., Zhu, Z., Kim K.S., Myers, S., Wurdeman, S., Stergiou, N., Johanning, J.M., McComb R.D., Casale, G.P. Abnormal Morphology of Skeletal Muscle Myofibers Is Associated with Limb Dysfunction in Peripheral Arterial Disease Patients. American Heart Association Scientific Sessions, Dallas, TX, 2013.
8. Papoutsis, E., Casale, G.P., **Koutakis, P.**, Miserlis, D.; Myers, S., Thompson, J.R., Ha D.M., Swanson, S.A., Zhu, Z., Kim K., Wurdeman, S., Johanning, J.M., McComb R.D., Pipinos, I. Revascularization Improves the Myopathy, Hemodynamics and Function of the Limbs of Patients with Peripheral Arterial Disease. American Heart Association Scientific Sessions, Dallas, TX, 2013.
9. **Koutakis, P.**, Weiss D.J., Nella, A.A., Swanson S.A., Zhu, Z., Miserlis, D., Papoutsis, E.,

- Johanning, J.M., Pipinos, I. Casale, G.P. Myofiber Type Sensitivity of Gastrocnemius Muscle to Oxidative Stress in Peripheral Arterial Disease Patients. Presented at Midwestern Vascular Surgical Society (MVSS), Chicago, Illinois, September 2013.
10. Thompson, J.R., Casale, G.P., Swanson, S.A., **Koutakis, P.**, Kim K., Papoutsis, E., Zhu, Z., Miserlis D., Ha D., Johanning, J.M., Pipinos, I. Quantification of Cytokines in the Gastrocnemius and Serum of Claudicating Patients With Peripheral Arterial Disease. The American College of Surgeons 99th Annual Clinical Congress. Washington, October, 2013.
  11. Thompson, J.R., Swanson, S.A., Haynatzki, G., Casale, G.P., Johanning, J.M., Papoutsis, E., **Koutakis, P.**, Zhu, Z., Pipinos, I. Protein and mitochondrial content in the gastrocnemius predicts mortality rates in patients with peripheral arterial disease. The American College of Surgeons 98th Annual Clinical Congress. Chicago, September, 2012.
  12. Thompson, T., **Koutakis, P.**, Kim, H., Leech, K., Jayaraman, A., Stergiou, N., Hornby, G.T. Objective measures of community mobility in persons with SCI: Preliminary results from the MAPS Project. Presented at APTA Combined Sections Meeting, New Orleans, February 9-12, 2011.
  13. **Koutakis, P.**, Katsavelis, D., Myers, S.A., Johanning, J.M., Pipinos, I.I., Stergiou, N. Walking velocity does not affect joint powers in Peripheral Arterial Disease. 15th Annual Gait and Clinical Movement Analysis Society Meeting. Miami, Florida, May, 2010.
  14. **Koutakis, P.**, Pipinos I.I., Myers, A.S., Stergiou, N., Johanning, M.J. Quantification of reduced power output during ambulation for affected and non-affected limbs in patients with unilateral claudication. Presented at 33rd Midwestern Vascular Surgical Society (MVSS), Chicago, Illinois, September 2009.
  15. **Koutakis, P.**, Yentes, M.J., Myers, A.S., Kaipust, P.J., Johanning, M.J., Pipinos I.I., Stergiou, N. Lower Extremity Joint Kinetics are Altered in Patients with Unilateral Peripheral Arterial Disease. Presented at 14th Gait and Clinical Movement Analysis Society (GCMAS), Denver, Colorado, March 2009.
  16. **Koutakis, P.**, Voudouris, D., Xatxitaki, V. Influence of base of support during in sway during a voluntary visuo-postural task. Presented at 3rd International Conference of Medical Exercise, 10-12 December 2005, Thessaloniki, Greece.
  17. Voudouris, D., **Koutakis, P.**, Xatxitaki, V. Stance position asymmetry during the execution of a goal related task. Presented at 3rd International Conference of Medical Exercise, 10-12 December 2005, Thessaloniki, Greece.
  18. **Koutakis, P.**, Voudouris, D., Xatxitaki, V. Stance position determines direction of sway during performance of a visuo-postural coordination task Presented at 15th Conference of International Society of Postural and Gait Research:, 29 May- 2 June 2005, France.

### **Poster Presentations**

1. Ismaeel, A., Miserlis, D., Papoutsis, E., Bohannon, W.T., Smith, R.S., Eidson, J.L., Kirk, J.S., Brumberg, R.S., **Koutakis, P.** A Novel In vitro Method to Model Ischemia-Reperfusion. Accepted for 2021 EVS Annual Meeting (September 23-26, Charleston, SC)
2. Ismaeel, A., Papoutsis, E., Li, F., Hoffman, C., Teichmann, M., Zarge, J., Brewster, L.P., **Koutakis, P.** Mitochondrial Dysfunction in a Large-Animal Model of Peripheral Artery Disease. Accepted for AHA Scientific Sessions 2021 (November 13-15, Boston, MA)
3. Heilesen, J.L., Papadakis, Z., Lowry, C., Torres, R., Dhillon, A., Adair, K., Ismaeel, A., **Koutakis, P.**, Forsse, J.S. American College of Sports Medicine Annual Meeting, Virtual. August 2021. Published in Medicine & Science in Sports & Exercise. 53(8S):8.
4. Torres, R. Adair, K., Lowry, C., Dhillon, A., Ismaeel, A., **Koutakis, P.**, Forsse, J.S. American College of Sports Medicine Annual Meeting, Virtual. August 2021. Published in Medicine & Science in Sports & Exercise. 53(8S):45.
5. Lowry, C., Torres, R., Adair, K., Dhillon, A., Ismaeel, A., **Koutakis, P.**, Beeson, C., Forsse, J.S. The Effectiveness Of HRV As A Predictor Of Renal Health And Function In The Absence Of Cardiometabolic Diseases. A Pilot Study. American College of Sports

- Medicine Annual Meeting, Virtual. August 2021. Published in *Medicine & Science in Sports & Exercise*. 53(8S):461.
6. Dhillon, A.S., Buckley, D.J., Ismaeel, A., Adair, K., Lowry, C., Torres, R., Merrell, H., Papoutsis, E., **Koutakis, P.**, Forsse, J.S. In The Absence Of Cardiometabolic Diseases Is Age An Independent Factor In Assessing Renal Health And Function? A Pilot Study. American College of Sports Medicine Annual Meeting, Virtual. August 2021. *Published in Medicine & Science in Sports & Exercise*. 53(8S):95.
  7. Buckley, D.J., Ismaeel, A., Adair, K., Oliver, A., Papoutsis, E., Prezioso, K., **Koutakis, P.**, Forsse, J. Acute Renal Responses to Moderate-Intensity Aerobic Exercise with Non-traditional markers of Renal Health and Function in Healthy Individuals: A Pilot Study. Texas American College of Sports Medicine Annual Meeting, Waco, TX, February 21-22, 2020. *Published in International Journal of Exercise Science: Conference Proceedings: Vol.2: Iss. 12, Article 80*.
  8. Valadez, E., Buckley, D.J., Ismaeel, A., Oliver, A., Adair, K., Papoutsis, E., Prezioso, K., Stamatis, A., **Koutakis, P.**, Forsse, J.S. Is Age an Independent Factor in Assessing Renal Health and Function in Healthy Individuals? A Pilot Study. Texas American College of Sports Medicine Annual Meeting, Waco, TX, February 21-22, 2020. *Published in International Journal of Exercise Science: Conference Proceedings: Vol. 2: Iss. 12, Article 75*.
  9. Prezioso, K., Ismaeel, A., Papoutsis, E., Bohannon, W.T., Smith, R.S., Brumberg, R., Kirk, J., **Koutakis, P.** Reduced Tetrahydrobiopterin (BH4) and Nitric Oxide (NO) Bioavailability in Peripheral Artery Disease (PAD) Patients. Florida Undergraduate Research Conference (FURC), Fort Myers, FL, Feb. 21-22, 2020.
  10. Hayson, A., **Koutakis, P.**, Hillison, D., Bullock, A., Ismaeel, A., Kaelin, D., Smith, D., Brumberg, R. Patient and Donor Characteristics which Influence Patency Rates of Cryopreserved Conduits Used in Lower Extremity Limb Salvage. Southern Association for Vascular Surgery. Palm Beach, FL, January 8-11, 2020. *Published in Journal of Vascular Surgery Volume 71, Issue 1, Pages e24-e25*.
  11. Ismaeel, A., Papoutsis, E., Sawicki, I., Bohannon, W.T., Smith, R.S., **Koutakis, P.** Increased Oxidative Stress and Decreased Mitochondrial Energy Metabolism and Skeletal Muscle Myogenesis Genes in an in vitro Model of Peripheral Artery Disease Myopathy. American Heart Association Scientific Sessions, Philadelphia, PA, 2019. *Published in Circulation*. 2019;140:A15436.
  12. Ismaeel, A., Franco, M.E., Lavado, R., **Koutakis, P.** Metabolomic Profiling of Amino Acid Metabolism in Peripheral Artery Disease Patients. American College of Sports Medicine Annual Meeting, Orlando, FL, May 28 – June 1, 2019. Published in *Medicine & Science in Sports and Exercise* 51(Supplement):418.
  13. Cullen, A., Ismaeel, A., **Koutakis, P.**, Salazar, G. Adiponectin and the Regulation of Vascular Smooth Muscle Cell Phenotype. American Heart Association Scientific Sessions, Philadelphia, PA, November 16-18, 2019. *Published in Circulation*. 2019;140:A13082
  14. **Koutakis, P.**, Ismaeel, A., Papoutsis, E., Kidd, J., Smith, R.S., Brumberg, R., Kirk, J.S., Bohannon, W.T. Desmin is Improved in the Gastrocnemius of Patients with Peripheral Artery Disease after Revascularization Interventions. American College of Sports Medicine Annual Meeting, Orlando, FL, May 28 – June 1, 2019. Published in *Medicine & Science in Sports and Exercise* 51(Supplement):418.
  15. Ismaeel, A., Franco, M.E., Papoutsis, E., Lavado, R., Casale, G.P., Fuglestad, M., Smith, R.S., Bohannon, W.T., Brumberg, R.S., Pipinos, I.I., **Koutakis, P.** Altered Metabolomic Profile in Peripheral Artery Disease Patients. Vascular Discovery: From Genes to Medicine Scientific Sessions 2019, Boston, MA, May 14-16, 2019. Published in *Arteriosclerosis, Thrombosis, and Vascular Biology* 39 (Suppl\_1), A639-A639.
  16. **Koutakis, P.**, Ismaeel, A., Papoutsis, E., Bohannon, W.T., Smith, R.S., Pipinos, I.I., Casale,



- G.P. Mitochondrial Dysfunction in a Novel, in vitro, Cell-based Model of Intermittent Claudication. Vascular Discovery: From Genes to Medicine Scientific Sessions 2019, Boston, MA, May 14-16, 2019. Also presented at The Vascular Research Initiatives Conference, Boston, MA, May 13, 2019. Published in Arteriosclerosis, Thrombosis, and Vascular Biology 39 (Suppl\_1), A246-A246.
17. **Koutakis P.**, Hernandez H., Thompson J.R., Papoutsi E., DeSpiegelaere H.K., Miserlis D., Haynatzki G., Ha D.M., Mietus C.J., Kim K.S., Zhu Z., Casale G.P., Pipinos, I.I. Oxidative damage in the gastrocnemius predicts mortality rates in patients with peripheral artery disease. American Heart Association Scientific Sessions, New Orleans, LA, 2016.
  18. **Koutakis, P.**, Swanson, S.A., Zhu, Z., Papoutsi, E., Miserlis, D., Kim, J.K.S., Pipinos, I.I., Casale, G.P. Irregular Distribution and Accumulation of Desmin in Gastrocnemius Myofibers in Association With Abnormal Myofiber Morphology and Impaired Limb Function in a Mouse Model of Chronic, Hindlimb Ischemia. Arteriosclerosis, Thrombosis, and Vascular Biology, San Francisco, CA, 2015.
  19. Howard, H., Mehraein, H., **Koutakis, P.**, Casale, G.P., Pipinos, I.I., Cluff K., Subbiah, J. Biomarkers of Muscle Damage in Patients with Peripheral Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, San Francisco, CA, 2015.
  20. Kim, J.K.S., Casale, G.P., Zhu, Z., Swanson, S.A., **Koutakis, P.**, Pipinos, I.I. Lower Limb Revascularization of Patients with Peripheral Artery Disease Reduces Human Enterovirus Infection of the Gastrocnemius. Arteriosclerosis, Thrombosis, and Vascular Biology, San Francisco, CA, 2015.
  21. **Koutakis, P.**, Casale, G.P., Kim, J.K.S., Miserlis, D., Zhu, Z., Papoutsi, E., Ha, D.M., Swanson, S.A., Carpenter, L.A., Myers, S.A., Johanning, J.M., Pipinos, I.I. Desmin expression is abnormal in myofibers of the gastrocnemius of patients with peripheral arterial disease and is associated with impaired mitochondrial respiration and reduced muscle strength. AHA Scientific Sessions 2014, Chicago, Illinois, November 2014.
  22. Ha D.M., Casale G.P., **Koutakis P.**, Carpenter L.A., Thompson J.R., Swanson S.A., Zhu Z., Pipinos I.I. Expression of Transforming Growth Factor Beta-1 by Vascular Smooth Muscle Cells Predicts Myofibrosis in Patients with Peripheral Arterial Disease. Keystone Conference, Fibrosis: From Bench to Bedside, Keystone, Colorado, 2014.
  23. Saunders, N.W., **Koutakis P.**, Kegelmeyer D.A., Kloos A.D., Dicke J.D., LaFountain R.A., Devor, S.T. Reliability Study of a Wireless Accelerometer for the Assessment of Postural Control in Older Adults. Presented at 60th Annual Meeting of American College of Sports Medicine and 4th World Congress on Exercise is Medicine. June 2012.
  24. **Koutakis, P.**, Casale, G.P., Miserlis, D., Thompson, J.R., Papoutsi, E., Ha, D.M., Swanson, S.A., Zhu, Z., Pipinos I. Association of Increased PTEN-Induced Putative Kinase 1 (PINK1) Expression and Oxidative Damage in Gastrocnemius Myofibers of Patients with Peripheral Arterial Disease. AHA Scientific Sessions 2012, Los Angeles, California, November 2012.
  25. Saunders, N.W., Hanson, N., **Koutakis P.**, Chaudhari, M.A., Devor, S.T. Time to Stabilization in Figure Skaters Following Neuromuscular Training. Presented at 59th Annual Meeting of American College of Sports Medicine and 3rd World Congress on Exercise is Medicine. June 2012.
  26. Casale, G.P., Weiss, D., Miserlis, D., Swanson, S.A., **Koutakis, P.**, Zhu, Z., Johanning, J.M., Pipinos, I. Fiber type-selective oxidative damage and myofiber atrophy in the gastrocnemius of patients with peripheral arterial disease, NWI Research Week, Omaha, Nebraska, May 2011.
  27. **Koutakis, P.**, Mukherjee, M., Fayad, P., Stergiou, N. Stroke Survivors Employ Different Stiffness Control Strategies during Learning of Reaching Movements in a

- Dynamic Environment, International Stroke Conference, Los Angeles, California, 2011.
28. Mukherjee, M., **Koutakis, P.**, Fayad, P., Stergiou, N. Augmented Visual Feedback Affects Endpoint Stiffness Control in Chronic Stroke Survivors during Learning of Reaching Movements in a Dynamic Environment, International Stroke Conference, Los Angeles, California, 2011.
  29. **Koutakis, P.**, Mukherjee, M., Strasser, R., Stergiou, N. Path integration of human walking on a circular path: The effect of the vestibular system. 40th Annual Meeting of Society for Neuroscience, San Diego, California, November 2010.
  30. Mukherjee, M., **Koutakis, P.**, Siu, K-C, Fayad, P., Stergiou, N. Movement Variability during Motor Learning of Reaching in Novel Dynamic Environments in Chronic Stroke Survivors. 40th Annual Meeting of Society for Neuroscience, San Diego, California, November 2010.
  31. Padala, K., **Koutakis, P.**, Mukherjee, M., Padala, P.K., Burke, W.J., Stergiou, N. Linear and Non-linear Analysis of Ambulatory Activity Patterns in Alzheimer's disease: Preliminary Results. 40th Annual Meeting of Society for Neuroscience, San Diego, California, November 2010.
  32. **Koutakis, P.**, Myers, A.S., Pipinos I.I., Johanning, M.J., Stergiou, N. Joint Powers Are Affected by Age and Peripheral Arterial Disease. 34th American Society of Biomechanics (ASB 2008), Providence, Rhode Island, August 2010.
  33. Katsavelis, D., Mukherjee, M., **Koutakis, P.** Blindfolded locomotion on a Circular Path: testing motor memory and path integration. 4th Annual Meeting of ELEMBIO. Ioannina, Greece, June, 2010.
  34. Katsavelis, D., Mukherjee, M., **Koutakis, P.** The effect of Virtual Reality on human locomotion. 4th Annual Meeting of ELEMBIO. Ioannina, Greece, June, 2010.
  35. Huben, N., Yentes, J.M., **Koutakis, P.**, Myers, S.A., Johanning, J.M., Pipinos, I.I., Stergiou, N. Gait impairment in Peripheral Arterial Disease patients is independent of level of disease. 15th Annual Gait and Clinical Movement Analysis Society Meeting. Miami, Florida, May, 2010.
  36. **Koutakis, P.**, Blanke, D., Stergiou, N. Path integration of human walking on curvature tasks. 39th Annual Meeting of Society for Neuroscience, Chicago, Illinois, October 2009.
  37. Yentes, M.J., **Koutakis, P.**, Myers, A.S., Kaipust, P.J., Pipinos I.I., Johanning, M.J., Stergiou, N. Unilateral intermittent claudication affects joint kinematics during gait. Presented at 14th Gait and Clinical Movement Analysis Society (GCMAS), 10-13 March 2009, Denver, Colorado.
  38. Kaipust, J.P., Yentes, J.M., **Koutakis, P.**, Myers, S.A., Stergiou, N. Unilateral intermittent claudication affects joint kinematics during gait. University of Nebraska Centennial Celebration of Student Research and Creative Activity. Omaha, NE, March 2009.
  39. Myers, S.A., **Koutakis, P.**, Stergiou, N. Induced lower extremity vascular occlusion affects gait variability. University of Nebraska Centennial Celebration of Student Research and Creative Activity. Omaha, NE, March 2009.
  40. Huben, N., **Koutakis, P.**, Johanning, J.M., Myers, S.A., Stergiou, N. Abnormal joint powers before and after the onset of claudication symptoms. Nebraska Research and Innovation Conference. Omaha, NE, September, 2009.
  41. **Koutakis, P.**, Myers, S.A., Johanning, J.M., Pipinos, I.I., Stergiou, N. Bilateral intermittent claudication affects joint powers during gait. Presented at the Fourth North American Congress on Biomechanics (NACOB 2008), Ann Arbor, Michigan, August 2008.
  42. Koudouni, A., **Koutakis, P.**, Xatzitaki, V. Learning of a novel visio-postural coordination

task in patients with multiple sclerosis, Presented at Motor Control Conference 2005, Sofia, Bulgaria.

43. **Koutakis, P.**, Voudouris, D., Xatxitaki, V. Limb Load Asymmetries In Static And Dynamic Postural Tasks: Athletic Training Influences. Presented at 2004 Pre-Olympic Congress: 6-11 August 2004, Thessaloniki, Greece.

## **Undergraduate and Graduate Teaching**

### **Courses Taught**

#### Baylor University

BIO 6101 – Research Rotation (Fall 2020 and 2021) – 2 enrolled

Course Description- The research rotation allows students to become familiar with different areas of research, learn new experimental techniques, obtain experience in different research laboratories, and ultimately identify a lab in which to conduct dissertation research.

BIO 5300 Advanced Studies in Biology - Advanced Human Physiology (Fall 2021) – 7 enrolled students

Course Description- The course is intended to study the approaches of molecular biology as applied to the study of both normal and diseased human states. Where appropriate, the analysis of other mammalian experimental systems may be included. The course will involve the critical reading and discussion of the relevant research literature and the preparation/presentation of one or more papers on specific issues or topics.

BIO 5300 Advanced Studies in Biology - Bioenergetics in human and animal models: An emphasis in mitochondrial respiration (Spring 2022) – 9 enrolled students

Course Description- Advanced principles and concepts associated with mitochondrial function in normal and disease states. From the cellular level to complex organisms.

BIO 3322 Human Physiology (Spring 2021: 65 enrolled students, Fall 2022: 68 enrolled students, Spring 2023: 68 enrolled students)

Course Description- Basic physiologic principles and concepts associated with the normal function of human cells, tissues, organs, and organ systems.

HON 3101 Advanced Readings & Research (Spring 2021) – 1 student enrolled

Course Description - Advanced readings and research toward an Honors thesis. The course is conducted under the direction of a faculty mentor from the student's major department, concentration, or area of research.

HON 4V87 Honors Thesis (Fall 2021) – 1 student enrolled

Course Description- Students complete Honors Thesis while conducting research and writing their thesis. The course is supervised by a faculty member in the student's major department or concentration.

HP 1421 Introduction to Human Physiology (2016-2018)

Fall 2016 - 22 enrolled students

Spring 2017 – 25 enrolled students

Spring 2018 – 28 enrolled students

Course Description- Provides the scientific foundation for the field of medicine, exercise physiology and all professions related to human health. Basic chemical and biological concepts will provide students the framework to comprehend physiological principles.

HP 5330 Physiology of Exercise II - Cardiopulmonary. (Spring 2017) – 6 enrolled students

Course Description- Circulatory-respiratory physiology, its relationship to exercise, emphasizing

oxygen uptake, stress testing, and exercise prescription.

HP 5379 Research Methods in HHPR (Fall 2017) - 17 enrolled students

Course Description- The course examines methods of qualitative, descriptive, and experimental inquiry. Emphasis is placed on the use of references and resources; writing styles; developing problem statements; purpose of the study; literature review; data collection; data analysis; data interpretation; and researcher recommendations.

#### Florida State University

PET 6931 Human Physiology (Fall 2019)- 8 enrolled students

Course Description- This is a very comprehensive and intense course on Human (Medical) Physiology (6 credit hours). Guest lectured covering material for the Nervous System.

PET 3932 and PET6388 Exercise and Disease (Fall 2018) – 7 enrolled students

Course Description- Provide students (undergraduate and graduate) with an understanding of recent advances in exercise physiology and prescription for clinical populations.

#### University of Nebraska at Medical Center

BMB 840 Methods of fluorescence microscopy (Spring 2010-2014) – 3 students enrolled per semester

Course description- The objective of BMB 840 is to provide a broad basis of exposure to topics in Biochemistry and Molecular Biology, and support understanding of the topics presented.

#### University of Nebraska

BMCH 9201 MATLAB for movement sciences (Summer 2009) – 7 enrolled students

Course Description- Introduction to Matlab software, plotting data, spectral analysis and the Fourier transform, data smoothing, and image analysis of movement related data. All topics will be implemented using Matlab.

### **Student Advisement**

#### **Post-doctoral Research Fellows**

Ahmed Ismaeel (NIH funded position), August 2020-March 2021

Emma Fletcher (OVPR funded position), August 2021-

#### **Dissertation Committees**

##### **Baylor University**

*Member*, Baylor University – Marco Franco, Metabolism and mechanistic toxicity of environmental pollutants in fish models: integrating in vitro and in vivo systems for ecotoxicological studies. December 2021

*Chair*, Baylor University – Andrew Ring. TBD. August 2020-

*Chair*, Baylor University – Cassandra Bradley. TBD. August 2021-

*Chair*, Baylor University – Kristina Sorokolet. TBD. August 2021-

*Chair*, Baylor University – Trevor Wilkinson. TBD. August 2021-

*Member*, Baylor University – Emily Sperou. TBD. August 2021-

*Member*, Baylor University – Haleigh Svatek. TBD. August 2021-

*Member*, Baylor University – Dylan Wilburn. TBD. August 2021-

##### **Florida State University**

*Chair*, Florida State University – Ahmed Ismaeel. "Mechanisms of Ischemia/Reperfusion-Mediated Skeletal Muscle Fibrosis." Nutrition and Integrative Physiology PhD Thesis.

*Member*, Florida State University - Abigail Cullen. Mechanisms of Ischemia/Reperfusion-

Mediated Skeletal Muscle Fibrosis. Nutrition and Integrative Physiology PhD Thesis.

### **Master Thesis Committees**

*Chair*, Florida State University – Kid, J. "Skeletal muscle oxygenation associates with calf muscle quality during aging." Exercise Physiology Master Thesis.

*Chair*, Baylor University – Holmes, M. "Calf muscle hemoglobin oxygen saturation characteristics in healthy and clinical populations." Exercise Physiology Master Thesis.

### **Internship, Practicum Committees**

*Chair*, Internship Committee for Brooke Roemer, Baylor University (Summer 2017)

*Chair*, Internship Committee for Jodi Lim, Baylor University (Summer 2018)

### **Honors Students and Undergraduate Research Mentoring**

#### Baylor University

Nathan Newton, Honors Program Student

Research Materials Grant, Nrf2 Activation in an In Vitro Model of Ischemia-Reperfusion Injury

#### Florida State University

Kaitlyn Prezioso, Honors in the Major Thesis, Assessing the Relationship between Serum Biochemical Parameters and Lower Extremity Muscle Oxygenation in Peripheral Artery Disease

Katherine Jones, Undergraduate Research Opportunity Program (UROP), Calf Muscle Oxygen Saturation Response to Exercise in PAD

**Board of Trustees  
Academic Affairs Committee  
August 15, 2024**

## 2023-2024 Institutes and Centers Annual Report

---

**Recommended Action:**

Approve the 2023-2024 Institutes and Centers Annual Report

**Background Information:**

The Florida Board of Governors requires annual reporting to detail Institutes and Centers expenditure information for the prior fiscal year, as outlined in Board of Governors' Regulation 10.015 Institutes and Centers.

**Implementation Plan:**

Report to be submitted to the Board of Governors by December 1, 2024.

**Fiscal Implications:**

None

**Relevant Authority:**

BOG Regulation 10.015 Institutes and Centers

---

**Supporting Documents:**

1. 2023-2024 Institutes and Centers Annual Report

**Prepared by:**

Jaromy Kuhl, Provost, Division of Academic Affairs, 850.473.2035, [jkuhl@uwf.edu](mailto:jkuhl@uwf.edu)

**Presenter:**

Jaromy Kuhl, Provost

**Annual Reporting Template Instructions**

**FY 2023-2024**

*Please complete the contact information on the right.*

**Tab "1-AnnualReporting":** Please enter information for columns 5B to Column 14 for all I&Cs

**Tab "2-COE Reporting":** Please enter information for columns 6-9 for all Centers of Excellence

**Tab "3-Additional I&C":** If applicable, please enter information for any new I&Cs not captured in tab "1-AnnualReporting"

Tab

**Contact Information**

1-Annual Reporting	<b>Please complete Column 5B - Column 14 for all I&amp;Cs</b>	
	1. Institution Name	This column should be used to filter the data for the specific institution completing the template.
	2. Center Type	Identifies the center as a "Center of Excellence", "State of Florida" or "University" I&C. This designation is determined by the host institution at the inception of the center.
	3. Center Code	Identifies the code assigned to the center or institute as assigned by the BOG. If there is a discrepancy here please indicate this in the comments section of the spreadsheet.
	4. Center Name	Identifies the C&I name
	5A. Center Status (Board Records)	Identifies the C&I activity status as "Active", "Inactive", or "Terminated/Disbanded" as of July 2023 in Board records.
	5B. Center Status (Institution)	Identifies the C&I activity status as "Active", "Inactive", or "Terminated/Disbanded" based on what the institution has on file. This should be used to provide updates to the board office regarding the status of institutional I&Cs. Should there be a discrepancy, please submit the appropriate documents with the DRS response and indicate this in the comment section of the spreadsheet. Drop down is provided
	6.Total FY 2023-24 Expenditures	Total expenditures for all C&I's identified as active during the specified reporting term. Expenditure total should include contracts & grants, E&G state funds, trust funds, and fees for service.
	7. Expenditures: State & E&G	Total expenditures from E&G and/or state funds for all C&I's identified as active during the specified reporting term.
	8. Expenditures: Contracts & Grants	Total expenditures from contracts and grants for all C&I's identified as active during the specified reporting term.
	9. Expenditures: Fees for Service	Total expenditures from fees for services for all C&I's identified as active during the specified reporting term.
	10. Expenditures: Private and Trust Funds	Total expenditures from private and trust funds for all C&I's identified as active during the specified reporting term.
	11. Staff / Faculty FTE	Identify the total FTE for all faculty and staff directly associated with the operation of the C&I as of June 30, 2023.
	12. Year of Most Recent Evaluation	Indicate the year the most recent assessment/evaluation performed pursuant to BOG Regulation 10.015. This column should be completed for all C&I's identified as active or inactive in the template.
2-COE Reporting	13. Year of Prior Evaluation	Indicate the year an evaluation/assessment was performed pursuant to BOG Regulation 10.015, ahead of the evaluation identified in column 12. This column should be completed for all I&C's identified as active or inactive in the template.
	14. Rational for Missing Evaluations	For all missing evaluations please provide a rational
	<b>Please complete all columns 6-9 for all Centers of Excellence</b>	
	1. Institution Name	This column should be used to filter the data for the specific institution completing the template.
	2. Center Type	The column is pre-filtered to only include Centers of Excellence
	3. Center Code	Identifies the code assigned to the center or institute as assigned by the BOG. If there is a discrepancy here please indicate this in the comments section of the spreadsheet.
	4. Center Name	Identifies the Center of Excellence name
	5. Established Year	Provides the year the center of excellence was created
	6. Cumulative Total State Funds Received	Total state funds received since the center was created
	7. Cumulative Total Non-State Funds Received	Total non-state funds received since the center was created
3-Additional I&C	8. Fiscal Year State Funds Received	Total non-state funds received for the specified reporting term
	9. Fiscal Year Non-State Funds Received	Total state funds received for the specified reporting term
	<b>Please complete all columns for any I&amp;Cs not captured in the Annual Reporting (i.e., If a new I&amp;C was opened and is not in the Board's inventory for Sheet 1-AnnualReporting, please update the information on this sheet)</b>	
	1. Center Type	Identifies the center as a "Center of Excellence", "State of Florida" or "University" I&C. This designation is determined by the host institution at the inception of the center.
	2. Center ID Number	Identifies the code assigned to the center or institute as assigned by the BOG. If there is a discrepancy here please indicate this in the comments section of the spreadsheet.
	3. Center Name	Identifies the C&I name
	4. Center Status	Identifies the C&I activity status as "Active", "Inactive", or "Terminated/Disbanded" as of July 2023.
	5. Established Year	Year the center was established
	6. Total FY Expenditures	Total expenditures for all C&I's identified as active during the specified reporting term. Expenditure total should include contracts & grants, E&G state funds, trust funds, and fees for service.
	7. Expenditures from State and E&G Funds	Total expenditures from E&G and/or state funds for all C&I's identified as active during the specified reporting term.
	8. Expenditures from Contracts & Grants	Total expenditures from contracts and grants for all C&I's identified as active during the specified reporting term.
	9. Expenditures from Fees for Service	Total expenditures from fees for services for all C&I's identified as active during the specified reporting term.
	10. Expenditures from Private & Trust Funds	Total expenditures from private and trust funds for all C&I's identified as active during the specified reporting term.
	11. Cumulative Total State Funds Received	Total state funds received since the center was created-Centers of Excellence only
	12. Cumulative Total Non-State Funds Received	Total non-state funds received since the center was created-Centers of Excellence only
	13. Fiscal Year State Funds Received (FY2023-24)	Total non-state funds received for the specified reporting term-Centers of Excellence only
	14. Fiscal Year Non-State Funds Received (FY2023-24)	Total state funds received for the specified reporting term-Centers of Excellence only

<b>Institution Name:</b>	<b>University of West Florida</b>
<b>Preparer's Name:</b>	<b>Elan Travis</b>
<b>Preparer's Email:</b>	<a href="mailto:etravis@uwf.edu">etravis@uwf.edu</a>

I&C Information				Expenditure Information (Fiscal Year 2023-2024)							Staff/Faculty (FY 2023-2024)	Evaluation Information		
1. Institution Name	2. Center Type	3. Center Code	4. Center Name	5A. Center Status (Board Records)	5B. Center Status (Institution)	6.Total FY 2023-24 Expenditures	7. Expenditures: State & E&G	8. Expenditures: Contracts & Grants	9. Expenditures: Fees for Service	10. Expenditures: Private and Trust Funds	11. Staff / Faculty FTE	12. Year of Most Recent Evaluation	13. Year of Prior Evaluation	14. Rational for Missing Evaluations
University of West Florida	University	60.0030	Haas Center for Business Research and Economic Development (CBRED)	Active	Active	\$ 601,188.29	\$ 377,793.46	\$ 170,196.77	\$ 34,019.72	\$ 19,178.34	6.188	2013-12	2012-13	Evaluation underway.
University of West Florida	University	60.0070	Archaeology Institute	Active	Active	\$ 1,009,592.77	\$ 517,202.25	\$ 407,458.62	\$ 21,584.43	\$ 63,347.47	16.526	2020-21	2020-21	
University of West Florida	University	60.0090	Center for Environmental Diagnostics and Bioremediation (CEDB)	Active	Active	\$ 3,168,274.29	\$ 814,812.94	\$ 2,197,766.52	\$ 64,349.07	\$ 91,345.76	12.702	2016-17	2016-17	
University of West Florida	University	60.0100	Community Outreach Research and Learning Center (CORAL)	Active	Active	\$ 2,902.69	\$ -	\$ -	\$ -	\$ 2,902.69	0	2016-17	2016-17	
University of West Florida	University	60.0200	Institute for Innovative Community Learning (IILC)	Active	Active	\$ 10,810.49	\$ -	\$ -	\$ -	\$ 10,810.49	0	2012-13	2012-13	The University is exploring sunseting this institute.
University of West Florida	University	60.0210	Florida Public Archaeology Network (FPAN)	Active	Active	\$ 1,781,661.32	\$ 1,706,089.42	\$ 59,814.46	\$ 9,500.59	\$ 6,256.85	7.675	2020-21	2020-21	
University of West Florida	University	60.0230	Center for Cybersecurity	Active	Active	\$ 10,049,574.87	\$ 1,329,797.85	\$ 8,427,002.04	\$ 286,948.54	\$ 4,828.44	25.309	N/A	N/A	Evaluation will occur this year.
University of West Florida	State of Florida	60.9110	Florida Small Business Development Center Network (FSBDCN)	Active	Active	\$ 13,444,432.88	\$ 5,161,938.82	\$ 8,217,048.49	\$ 56,547.35	\$ 8,898.22	19.563	2009-10	2009-10	Evaluation underway.
University of West Florida	University	60.9114	UWF Small Business Development Center (Affiliate)	Active	Active	\$ 1,769,653.65	\$ 830,761.06	\$ 765,492.84	\$ 82,101.38	\$ 91,298.37	16.500	2012-13	2012-13	Evaluation underway.



**Board of Trustees  
Academic Affairs Committee  
August 15, 2024**

## 2024 UWF Textbook and Instructional Materials Affordability Annual Report

---

**Recommended Action:**

Approve the 2024 UWF Textbook and Instructional Materials Affordability Annual Report

**Background Information:**

Pursuant to the Florida Board of Governors Regulation 8.003, each university must submit a Textbook and Instructional Materials Affordability Annual Report to the Chancellor of the State University System by September 30 each year.

- The University evaluated the cost for each course section, finding that 56.5% of all Fall 2023 course sections and 62.5% of all Spring 2024 course sections had instructional materials of no cost or low cost (\$20 or less per credit hour) to students.
- University efforts to reduce the cost of textbooks and instructional materials include requiring no textbooks, using free, online resources, publications, previous or old editions, using OERs (Open Educational Resources), no-cost resources, bundles, rented materials, and department resources. Textbook scholarships are also available and institutional faculty stipends are available to help faculty create OER or Pressbooks. University Libraries continues to offer access to required print textbooks, resulting in students borrowing 3,886 textbooks 5,887 times during the 2023-2024 academic year.
- The state sets a compliance threshold at 95% for posting textbooks and instructional materials 45 days prior to the first day of classes. UWF had a Fall 2023 compliance rate of 100% and a Spring 2024 compliance rate of 100%.

**Implementation Plan:**

- Report to be submitted to the BOG by September 30, 2024

**Fiscal Implications:**

None

**Relevant Authority:**

BOG Regulation 8.003 Textbook and Instructional Materials Affordability and Transparency

---

**Supporting Documents:**

1. 2023-2024 Textbook Affordability Presentation
2. 2024 UWF Textbook and Instructional Materials Affordability Report

**Prepared by:**

Dallas Snider, Vice Provost, Division of Academic Affairs, 850.473.2035, [dsnider@uwf.edu](mailto:dsnider@uwf.edu)

**Presenter:**

Dallas Snider, Vice Provost



Office of the Provost  
UNIVERSITY *of* WEST FLORIDA

# 2023-2024 Textbook Affordability

*Dallas H. Snider, Ph.D.*

*Vice Provost*



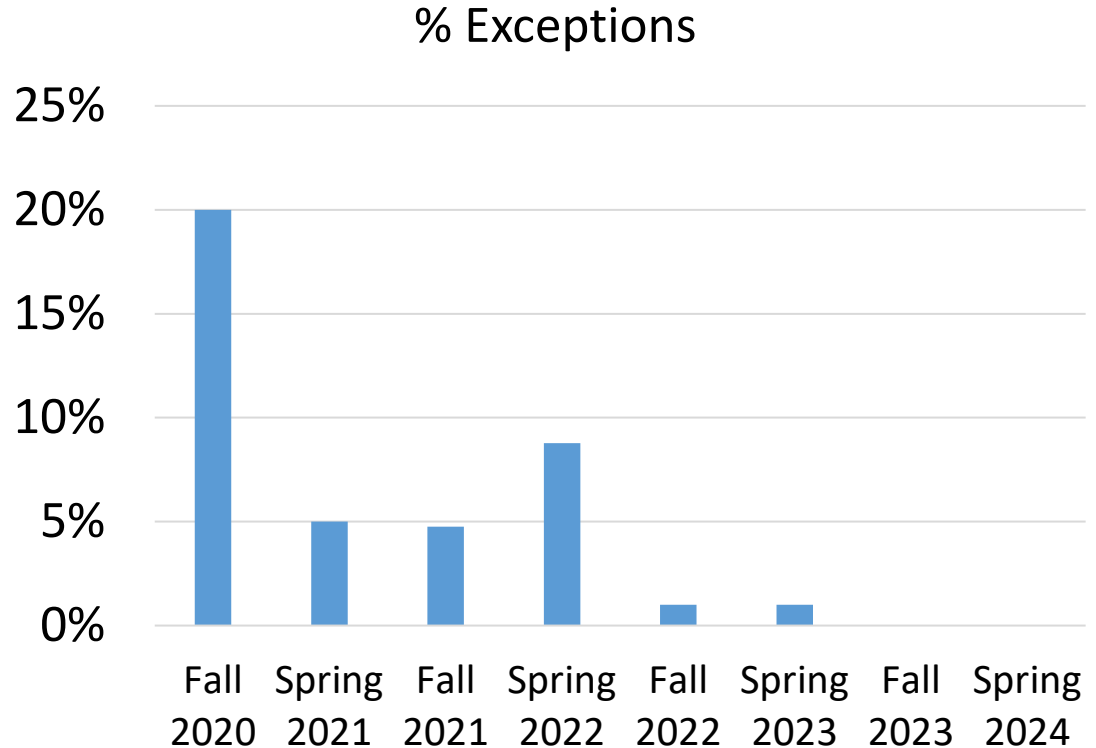
# Background

- In 2016, HB 7019: Education Access and Affordability was signed to promote public awareness of the cost of higher education, including
    - Posting of at least 95% of required and recommended course materials no less than 45 days before the start of a term
    - Options for “innovative pricing techniques and payment options for textbooks and instructional materials” can be negotiated by the BOT
    - Reporting of initiatives to reduce the cost of course materials
    - Reporting of selection process for high enrollment general education courses (top 10% of enrollment for Fall-Spring Terms)
  - Institutions are required to have a public-facing document of all courses and associated textbooks on a rolling 5-year period (available on the UWF Bookstore website)
-



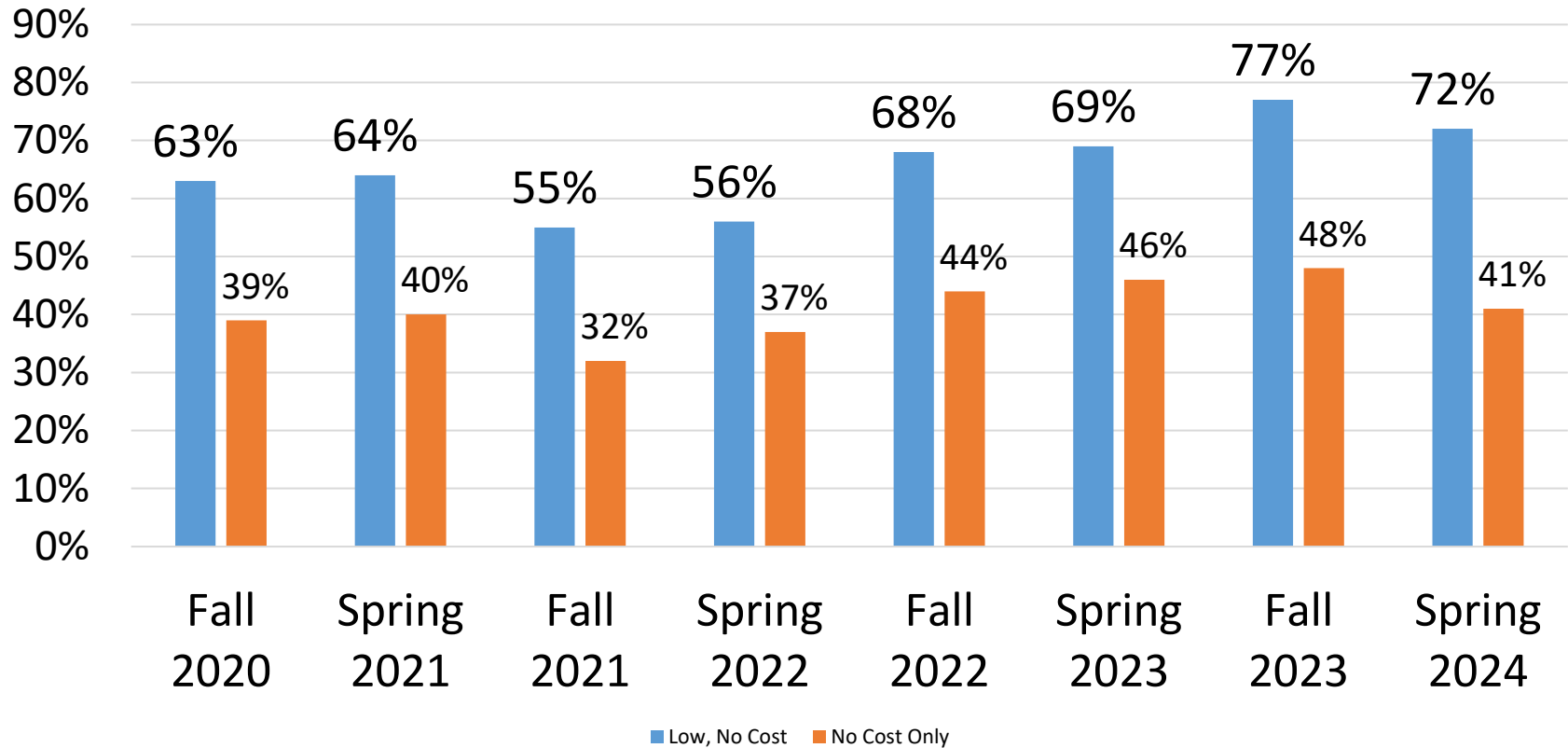
# Posting of Textbooks/Materials 45 Days Before Start of Term

- 20% Exceptions in Fall 2020; 0% in Fall 2023
- Colleges, Bookstore, and Provost's Office provides regular updates to faculty and staff from 90 days prior to the term to meet compliance requirements





# % of Sections with Low or No Cost Materials





# Innovative Pricing

- **Follet ACCESS**
    - Faculty identify cost-reduced digital materials for courses; charge is posted to term charges and can be paid with other University charges or via financial aid. Students can opt-out if desired.
  - **Willo**
    - Digital access to instructional materials through the campus LMS, Canvas. Materials are automatically loaded into Canvas.
  - **Loose-leaf Text**
    - The text is three-hole punched to be put in a binder versus bound as a hardbound book or paperback.
  - **Rentals**
-



# Library Initiatives

- OER/Pressbooks
  - 14 published; 5 in progress
  - 446,000 visitors with over 870,000 page views
  - Reduced textbook costs over \$230,000
- Textbook/Course Reserves
  - Access to 3,886 Textbooks
  - Borrowed 5,887 times
  - Transaction value of \$446,882
- ACE Awards
- APA Manual Initiative



# Selection Process for High-Enrollment Gen Ed Courses

Course	# of Sections	Decision Maker(s)
AMH 2020, US Since 1877	27	Combination of Individual Faculty, Department Committee, and Department Chair
CHM 2045, General Chemistry I	21	Department Committee
ENC 1101, English Comp I	39	Department Committee
ENC 1102, English Comp II	40	Department Committee
LIT 2000, Intro to Literature	22	Individual Faculty
POS 2041, American Politics	23	Individual Faculty
PSY 2012, General Psychology	9	Individual faculty, but the chair provides a low-cost option for those who will be using the online gen psych shell, using inclusive access textbook as selected by chair.
STA 2023, Elements of Statistics	17	Department Committee





# Conclusion

- This has been a team effort
- Questions

## Textbook and Instructional Materials Affordability Annual Report

### Instructions

1. Complete each tab/worksheet as designed. The template reflects the interpretation of the reporting requirements by Board staff.  
Do not edit the content of the template. Expand the response space as needed.
2. Statutory due date is September 30, 2024.
3. If there are questions, contact Erica Vander Meer, Director of Academic and Student Affairs, at Erica.VanderMeer@flbog.edu
4. Include the university contact name and email for the staff who completed the report below:
5. Please note some cells are auto-calculated and do not require you to enter a figure. These cells are green.

**University Contact Name and Email:** Dallas Snider, [dsnider@uwf.edu](mailto:dsnider@uwf.edu); Karen Rasmussen, [krasmuss@uwf.edu](mailto:krasmuss@uwf.edu)

**Textbook and Instructional Materials Affordability Annual Report  
Fall 2023 and Spring 2024**

University Submitting Report: **University of West Florida**

Date Approved by the University Board of Trustees: **September 12, 2024**

Signature of Chair, University Board of Trustees:

Signature of President:

## Textbook and Instructional Materials Selection Process

Report the textbook and instructional materials selection process used for general education courses with high enrollment. Include the course prefix(es) and number(s), the course title(s), and the total number of courses ( $n=$ ). In column "F," use the drop-down arrow in each cell to select the appropriate selection process. The methodology for determining high enrollment courses is as follows: *Order courses (course prefix/number) by headcount enrollment, excluding honors courses. The top 10% of courses are determined as high enrollment.*

[illegible]

### Course Sections with No Cost for Textbooks/Instructional Materials

Report the total number of course section(s) offered including exceptions and the total number of course sections that did not require or recommend the purchase of a textbook(s)/ instructional materials and/or utilized open educational resources. These may include general education courses, upper level courses, and courses for directed independent study, internships, thesis/dissertation, etc. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

#### Fall 2023

<b>Total Number of Course Sections Offered (Including Exceptions)</b>	<b>2457</b>
<b>Total Number of Course Sections Offered with No Cost Materials</b>	<b>999</b>
<b>Percent of Course Sections with No Cost Materials (Auto-Calculated)</b>	<b>41%</b>

#### Spring 2024

<b>Total Number of Course Sections Offered (Including Exceptions)</b>	<b>2436</b>
<b>Total Number of Course Sections Offered with No Cost Materials</b>	<b>1160</b>
<b>Percent of Course Sections with No Cost Materials (Auto-Calculated)</b>	<b>48%</b>

### Board Action Plan - Low Cost Course Materials

Report the total number of course section(s) offered including exceptions and the total number of course sections that required or recommended textbook(s)/instructional materials for \$20 or less per credit hour (e.g., \$60 or less for a three-credit-hour course), which meets the State University System of Florida Action Plan for the Pricing of Textbooks and other Instructional Materials. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

#### Fall 2023

<b>Total Number of Course Sections Offered (Including Exceptions)</b>	<b>2457</b>
<b>Total Number of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour</b>	<b>1781</b>
<b>Percent of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour (Auto-Calculated)</b>	<b>72%</b>

#### Spring 2024

<b>Total Number of Course Sections Offered (Including Exceptions)</b>	<b>2436</b>
<b>Total Number of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour</b>	<b>1884</b>
<b>Percent of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour (Auto-Calculated)</b>	<b>77%</b>

## Textbook & Instructional Materials Affordability Initiatives

### Describe specific initiatives of the institution designed to reduce the costs of textbooks and instructional materials.

Across the institution, faculty members use a variety of options to help students through using affordable instructional materials and textbooks. These options include: requiring no textbooks, using free, online resources, publications, previous or old editions, OER/Open Stax or Pressbooks, electronic/online texts, instructor-developed or produced materials, no-cost resources, electronic licenses, texts for more than 1 course, online library resources/textbooks, custom-print texts, bundles, rented materials, and department resources. Textbook scholarships are also available. Institutional faculty stipends are used to help faculty create OER or Pressbooks. Faculty support and development opportunities are provided by the Library and the Center for Teaching and Learning. Specific initiatives by college or unit include:

**College of Arts, Social Sciences and Humanities:** CASSH pursues a broad array of textbook cost reduction initiatives at the course, department, and college levels, from the broad use of free instructor-developed/provided resources and other no-cost resources to program-level support for the creation of high quality, low-cost course materials, particularly for high enrollment courses like Composition I and II. Notable initiatives from the 2023-2024 academic year include: securing institutional support for faculty to produce OER/Pressbook materials for high-enrolled history courses and trial use of "Follett Access" in two departments.

**College of Business:** Faculty developed material provided to students in advance of publication. To the extent possible, COB faculty participate in Follett Access and other publisher inclusive access programs that roll in textbook costs into tuition giving a discount and providing immediate access to material for students on day one of classes. Numerous faculty do not require a textbook, use OER resources, use self-developed materials, and use custom textbooks (which are cheaper). Faculty routinely delay adoption of newer editions or allow the use of older editions to provide cheaper text alternatives to students. Faculty who are in sequenced classes coordinate to use the same textbook across multiple classes to provide economies of scale to students.

**Hal Marcus College of Science and Engineering:** Several courses use the same textbook for multiple semesters (Physics 1 & 2). In PHY2048/2049, we are using Inclusive Access. Astronomy courses are using OER textbooks, as are some upper division physics courses. Faculty continuously employ faculty-created materials.

**Usha Kundu, MD College of Health:** Psychology: Faculty opt for digital versions of materials whose costs are lower than print copies.

*Psychology*: Some faculty use OERs; One professor started using Follett Inclusive Access for his course materials.

MLS: Reuse textbooks for at least 2 sometimes 3 courses while they are in the MLS program; Some instructors allow older versions of the textbook; Adopted an OER book for our IPE modules in 2 courses.

*Social Work*: Eliminated textbooks from 4 classes and replaced them with assigned readings/primary sources; Provided BibliU link in 1 class instead of requiring APA manual

*Nursing*: TBSN has reduced the cost of texts across the program by a small amount with the move to CoursePoint. It is approximately a \$50 reduction. Large reduction in cost for our PSKs. Last semester students paid about \$330 and this semester they will be \$162. This is due to our new vendor, and their putting our kits together for us. Several MSN courses utilized OERS (NGR6111, NGR6638) Allowed students to use “used.” One course offered textbook through FA Davis which allowed students to take advantage of 20% off + Free Shipping promotion (NGR6201)

**School of Education:** We eliminated the use of a required textbook in four courses. We had two faculty members create OERs for their course. Three instructors expanded the use available library resources for students to utilize rather than purchase a book. Faculty expanded the inclusion of free materials into their canvas shells.

**Library:** The University Libraries continue to offer access to required undergraduate print textbooks with dedicated funding provided by the Provost’s Office. Students have access to 3,886 textbooks and borrowed them 5,887 times during the 2023-2024 academic year. Using the average acquisition cost per textbook from FY2024 (\$75.91), the transaction value of the UWF textbook affordability program was \$446,882. The library continues to fund a subscription to Pressbooks, an OER textbook and monograph authoring tool, which we host for faculty and staff use. Faculty/staff members are encouraged to take advantage of this resource to adapt or create OER texts. Since our initial subscription, we have openly published fourteen textbooks and have five more in progress. In the 2023-2024 academic year, UWF’s Pressbook titles have had over 446,000 visitors from around the world with over 870,000 page views. These titles also significantly saved students money by reducing textbook expenses over \$230,000.



**Bookstore:** Follett Access - cost savings program in which the required course material is delivered digitally directly to students' LMS account. The program saves students approximately 27 - 35% compared to traditional textbooks. Rental textbooks - textbooks are rented at approximately 25 - 45% less than if they were purchased. Digital textbooks - digital textbooks save the students approximately up to 25% compared to print titles. Digital title can also be rented with offers additional savings.

**Has the *opt-in* provision been implemented by your institution for the purchase of student materials? If yes, describe the impact this has this had on student savings, if any.**

**Has the *opt-out* provision been implemented by your institution for the purchase of student materials? If yes, describe the impact this has this had on student savings, if any.**

Yes. Based on the percentage of student participation in opt-in provision courses versus opt-out provision courses, more students participated in the Access program when the opt-out provision was implemented. This resulted in an increase in the number of students saving money on their course materials: Fall 2024 - \$197,420.35, 30.7%; Spring 2024 - \$307,143.51, 35.3%

## University Policies for the Posting of Textbooks and Instructional Materials & Compliance with the Posting Deadline

**Describe policies implemented to ensure the posting of textbooks and instructional materials for at least 95% of all courses and course sections 45 days before the first day of class.**

Messaging to faculty and college administrators about textbook orders begins as soon as courses are entered into the system for an upcoming semester. Each College has a textbook liaison who works with Chairs regarding textbook and instructional materials orders. The Bookstore works closely with the Vice Provost and faculty to provide up-to-date and timely information about textbook status -- including identifying courses with no identified instructional materials. The schedule for documentation includes notices of: 90 days (courses with no information); 75 days (courses with no information) and 67 days (courses with no information). Between 90 and 45 days, the Bookstore also provides weekly updates on orders to the Vice Provost who distributes the information to College textbook liaisons. The Vice Provost provides updated course offerings periodically to the Bookstore to ensure that offerings align across systems. On day 90, the Bookstore sends all faculty instructions on how to check the "shop" website to ensure that each faculty's orders are correct. The Bookstore opens the semester website 67 days prior to the beginning of a term. Student can access required textbooks either by their UWF ID where all their course materials are presented or by course identifier.

**Are the policies effective in meeting the reporting requirement? If not, what measures will be taken by the university to increase faculty and staff compliance for meeting the reporting requirement?**

The policies are effective and have enabled the development of processes that support meeting the reporting requirement. For example, in Fall 2023 and Spring 2024, there was 100% compliance, and, with these policies instructional materials are consistently in conformance. The partnerships between and among the Provost's Office, the Colleges, and the Bookstore provide timely information and assistance, supporting faculty in their determination of textbooks and instructional materials providing access for students.

Published List of Required and Recommended Textbooks and Instructional Materials	
Please use the drop-down options to confirm the published list of required and recommended textbooks and instructional materials includes the following information.	
Information Required	Affirm Information is Included
International Standard Book Number (ISBN) or Other Identifying Information	Included
Title	Included
All Authors Listed	Included
Publishers	Included
Edition Number	Included
Copyright Date	Included
Published Date	Included
Searchable by Course Subject, Course Number, Course Title, Name of Instructor, Title of Material, and Author(s) of Material	Included
Material Information is Easily Downloadable by Current and Prospective Student	Included

Published Course Syllabus Requirements	
Please use the drop-down options to confirm the course syllabus of the general education core course options identified pursuant to section 1007.25, Florida Statutes include the following information.	
Information Required	Affirm Information is Included
Course Curriculum	Included
Goals, Objectives, and Student Expectations of the Course	Included
How Student Performance will be Measured	Included

Link to Published List of Required and Recommended Textbooks and Instructional Materials
Please provide a link to the webpage housing the information listed under "Published List of Required and Recommended Textbooks and Instructional Materials.". If each course section has its own website link, please provide one example link.
Please Provide Link Below
<a href="https://www.bkstr.com/westfloridastore/home">https://www.bkstr.com/westfloridastore/home</a>

Link to Published List of Course Syllabi for General Education Courses	
Please provide links to the webpages housing the information under "Published Course Syllabus Requirements."	
As students register for class, they can access course syllabi through "Classmate" -- an institutional resource that contains comprehensive information about courses. Public searches for general education syllabi is based on term courses where information on syllabi and textbooks are included.	
Please Provide Links Below	
Communication	<a href="https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch">https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch</a>
Humanities	<a href="https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch">https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch</a>
Mathematics	<a href="https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch">https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch</a>
Natural Sciences	<a href="https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch">https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch</a>
Social Sciences	<a href="https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch">https://apps.banner.uwf.edu/StudentRegistrationSsb/ssb/classSearch/classSearch</a>

## Exceptions

Per Board of Governors Regulation 8.003(1)(h), Textbook and Instructional Materials Affordability, any request for an exception to the compliance deadline shall be submitted in writing to the designated university official and shall provide a reasonable justification for an exception. A course or section added after the notification deadline is exempt from this notification requirement. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2023				
Total # of Course Sections (Not Including Exceptions)	# of Course Sections Identified As Exceptions	Total # Of Course Sections Including Exceptions (Column A + Column B) (Auto-Calculated)	% Of Total Course Sections That Were Identified As Exceptions (Auto-Calculated)	Reasons For Exceptions
2457	0	2457	0%	

Spring 2024				
Total # Of Course Sections (Not Including Exceptions)	# Of Course Sections Identified As Exceptions	Total # Of Course Sections Including Exceptions (Column G + Column H) (Auto-Calculated)	% Of Total Course Sections That Were Identified As Exceptions (Auto-Calculated)	Reasons For Exceptions
2436	0	2436	0%	

**University Requirements for the Posting of Textbooks and Instructional Materials & Compliance with the Posting Deadline**

Use the tables below to report the total number of course sections offered at the 45-day posting deadline, the number of course sections that met the posting requirement, the number of course sections that changed materials after the posting deadline, and the number of course sections that did not meet the posting requirement. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2023					
Total Course Sections at the 45-Day Posting Deadline (Not Including Exceptions)	# Of Course Sections Meeting Requirement (Not Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Meeting Requirement (Auto-Calculated)	# Of Course Sections That Changed Adopted Course Materials After The Required Posting Deadline	# Of Course Sections Not Meeting Requirement (Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Not Meeting Requirement (Auto-Calculated)
2,457	2,457	100%	0.00%	0	0.00%

Spring 2024					
Total Course Sections at the 45-Day Posting Deadline (Not Including Exceptions)	# Of Course Sections Meeting Requirement (Not Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Meeting Requirement (Auto-Calculated)	# Of Course Sections That Changed Adopted Course Materials After The Required Posting Deadline	# Of Course Sections Not Meeting Requirement (Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Not Meeting Requirement (Auto-Calculated)
2,436	2,436	100.00%	0.00%	0	0.00%

**\*\*Note:** Per Board Regulation 8.003 (1) (h), a course or course section added after the posting requirement is considered an exception and should be reported on the "Exceptions" tab. A request for any other exception to the compliance deadline shall be submitted in writing to the designated university official and shall provide a reasonable justification for an exception. A course or section added after the notification deadline is exempt from this notification requirement.

**Board of Trustees  
Academic Affairs Committee  
August 15, 2024**

**Approve General Education Course Offerings (revised list)**

---

**Recommended Action:**

Approve the revised list of general education course offerings effective Fall 2025.

**Background Information:**

On June 20, 2024, the Board of Trustees approved the General Education Course Offerings list with revisions as presented. On July 30, 2024, the Office of K-20 Articulation via the Board of Governors staff informed Vice Provost Snider of additional changes to courses in the General Education Breadth list that are required to comply with the new regulations. These courses are:

1. AML 2010 – American Literature I
2. AML 2020 – American Literature II
3. ANT 2000 – Introduction to Anthropology
4. ANT 2400 – Current Cultural Issues
5. ARH 2050 – Western Survey I: Prehistory to the Medieval Period
6. ARH 2051 – Western Survey II: Renaissance to Contemporary
7. ART 1015 – Exploring Artistic Vision
8. CGS 2020 – Introduction to Machine Learning
9. CIS 2530 – Introduction to Cybersecurity
10. CPO 2002 – Comparative Politics
11. CRW 2001 – Introduction to Creative Writing
12. DEP 2004 – Human Development Across the Lifespan
13. ENL 2010 – History of English Literature I
14. ENL 2020 – History of English Literature II
15. EUH 1000 – Western Perspectives I
16. EUH 1001 – Western Perspectives II
17. GEA 2000 – Nations and Regions of the World
18. HIS 2050 – Explore! History
19. HSC 2100 – Personal & Family Health
20. IDH 1040 – Honors Core 1
21. IDH 1041 – Honors Core 2
22. IDH 1043 – Honors Core: Natural Sciences
23. INR 2002 – International Politics
24. LIT 2030 – Introduction to Poetry
25. MUH 2930 – The Music Experience
26. PHC 2082 – Informatics and Your Health
27. PHI 2603 – Ethics in Contemporary Society
28. PLA 2013 – Survey of American Law
29. SPC 2608 – Basic Communication Skills
30. SPM 2010 – Sport in Global Society
31. SYG 2000 – Introduction to Sociology
32. SYG 2010 – Current Social Problems
33. THE 2300 – Survey of Dramatic Literature

In Column K of the attached spreadsheet, the Course Review Status for these courses listed above has been changed from “Reviewed: No Updates” to “Reviewed: Updated.”

BOG Regulation 8.005, General Education Course Options, was revised effective January 24, 2024, and created a new annual review of general education course offerings for each state university system institution.

UWF personnel and leadership have reviewed each course and made all appropriate updates to include course descriptions and student learning outcomes as provided by the Office of K-20 Articulation in the Florida Department of Education. As part of this review, UWF has updated the Statewide Course Numbering System (SCNS) as needed.

UWF requests approval of a list of 92 current courses to be offered across the five disciplinary subject areas of communications, mathematics, humanities, natural science, and social sciences. Each of these courses has gone through appropriate faculty governance and administrative oversight and meet general education course requirements in accordance with Sections 1007.24, 1007.25, and 1007.55, Florida Statutes.

### **Implementation Plan:**

1. May 16, 2024: The UWF BOT Academic Affairs Committee approved the original list of general education course offerings effective Fall 2025.
2. June 20, 2024: The full UWF BOT approves the revised list of general education course offerings effective Fall 2025.
3. June 24, 2024: UWF submits the revised list of general education course offerings and signed certification form to the Office of K-20 Articulation of the Florida Department of Education.
4. July 30, 2024: The Office of K-20 Articulation via the Board of Governors staff informed Vice Provost Snider of additional changes to courses in the General Education Breadth list that are required to comply with the new regulations.
5. August 15, 2024: The UWF BOT Academic Affairs Committee approves the revised list of general education course offerings effective Fall 2025.
6. September 12, 2024: The full UWF BOT approves the revised list of general education course offerings effective Fall 2025.
7. September 13, 2024: UWF will submit the revised list of general education course offerings and signed certification form to the Office of K-20 Articulation of the Florida Department of Education.
8. Upon approval by the Articulation Coordinating Committee (ACC) and no later than December 1, 2024: The Office of K-20 Articulation will submit UWF's list of general education courses to the Board of Governors.
9. The Board of Governors will consider UWF's completed list of general education courses for approval and implementation effective Fall 2025.
10. UWF will implement the BOG approved list of general education course offerings for Fall 2025.

### **Fiscal Implications:**

None.

### **Relevant Authority:**

BOG Regulation 8.005 General Education Course Options  
Sections 1007.24, 1007.25, and 1007.55, Florida Statutes.

---

### **Supporting Documents:**

1. General Education Course Offerings List for UWF effective Fall 2025 - revised.
2. Certification Form

### **Prepared by:**

Dr. Dallas Snider, Vice Provost, Division of Academic Affairs, 850-473-7348, [dsnider@uwf.edu](mailto:dsnider@uwf.edu)  
Dr. Angela Bryan, Director of Institutional Effectiveness, 850-473-7234, [abryan@uwf.edu](mailto:abryan@uwf.edu)

### **Presenter:**

Dr. Dallas Snider, Vice Provost

<i>Institution</i>	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	
UNIVERSITY OF WEST FLORIDA	LIT	1	110		GREAT BOOKS I	03/20/1991	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2010
UNIVERSITY OF WEST FLORIDA	GLY	2	010		PHYSICAL GEOLOGY	08/21/2023	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	13	
UNIVERSITY OF WEST FLORIDA	INR	2	002		INTERNATIONAL POLITICS	08/30/1997	3.0		Social Sciences	Reviewed: Updated	No General Education Update	Not Applicable	20	
UNIVERSITY OF WEST FLORIDA	ZOO	1	010	L	GENERAL ZOOLOGY/LABORATORY	08/01/1993	0.0		Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2014
UNIVERSITY OF WEST FLORIDA	MAC	2	312		ANALYTIC GEOMETRY AND CALCULUS II	08/21/2023	4.0		Math	Reviewed: No Updates	No General Education Update	Not Applicable	35	
UNIVERSITY OF WEST FLORIDA	CPO	2	002		COMPARATIVE POLITICS	08/30/1997	3.0		Social Sciences	Reviewed: Updated	No General Education Update	Not Applicable	7	
UNIVERSITY OF WEST FLORIDA	STA	2	023		ELEMENTS OF STATISTICS	08/21/2023	3	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	
UNIVERSITY OF WEST FLORIDA	SPC	2	016		BASIC COMMUNICATION SKILLS	08/02/2007	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/02/2009
UNIVERSITY OF WEST FLORIDA	GEO	1	200		PHYSICAL GEOGRAPHY	07/29/1994	4.0		Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/24/2020
UNIVERSITY OF WEST FLORIDA	ZOO	1	010		GENERAL ZOOLOGY	08/01/1993	4.0		Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2014
UNIVERSITY OF WEST FLORIDA	MAC	1	105		COLLEGE ALGEBRA	05/17/2021	3	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	38	
UNIVERSITY OF WEST FLORIDA	PSY	2	012		GENERAL PSYCHOLOGY	08/01/2015	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	
UNIVERSITY OF WEST FLORIDA	SYG	2	000		INTRODUCTION TO SOCIOLOGY	08/01/2015	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	38	
UNIVERSITY OF WEST FLORIDA	MGF	1	106		MATHEMATICS FOR LIBERAL ARTS I	08/21/2023	3	Math	Math	Reviewed: Removed from General Education		Other Changes		To be discontinued effective fall 2024.
UNIVERSITY OF WEST FLORIDA	PHY	2	049		CALCULUS-BASED PHYSICS II	08/24/2020	3.0		Natural Science	Reviewed: No Updates	No General Education Update	Not Applicable	16	
UNIVERSITY OF WEST FLORIDA	MAC	2	311		ANALYTIC GEOMETRY AND CALCULUS 1	05/17/2021	4	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	
UNIVERSITY OF WEST FLORIDA	BOT	2	010		GENERAL BOTANY	08/21/2023	3		Natural Science	Reviewed: No Updates	No General Education Update	Not Applicable	12	
UNIVERSITY OF WEST FLORIDA	ANT	2	511		BIOLOGICAL ANTHROPOLOGY	04/28/2022	3.0		Natural Science	Reviewed: No Updates	No General Education Update	Not Applicable	12	
UNIVERSITY OF WEST FLORIDA	PHY	2	054		ALGEBRA-BASED PHYSICS II	08/24/2020	3.0		Natural Science	Reviewed: No Updates			15	
UNIVERSITY OF WEST FLORIDA	PHI	2	100		INTRODUCTION TO LOGIC	12/10/1991	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2014
UNIVERSITY OF WEST FLORIDA	PHY	2	048		CALCULUS-BASED PHYSICS I	08/24/2020	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	25	
UNIVERSITY OF WEST FLORIDA	MAC	2	233		CALCULUS WITH BUSINESS APPLICATIONS	05/17/2021	3.0		Math	Reviewed: No Updates			36	
UNIVERSITY OF WEST FLORIDA	PHY	2	053		ALGEBRA-BASED PHYSICS I	08/24/2020	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	33	
UNIVERSITY OF WEST FLORIDA	MAC	1	114		TRIGONOMETRY	04/27/2022	3		Math	Reviewed: No Updates			33	
UNIVERSITY OF WEST FLORIDA	PLA	2	013		SURVEY OF AMERICAN LAW	01/10/2022	3.0		Social Sciences	Reviewed: Updated			1	
UNIVERSITY OF WEST FLORIDA	PHI	2	603		ETHICS IN CONTEMPORARY SOCIETY	11/22/1995	3.0		Humanities	Reviewed: Updated			2	
UNIVERSITY OF WEST FLORIDA	SYG	2	010		CURRENT SOCIAL PROBLEMS	01/01/2005	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes	22	
UNIVERSITY OF WEST FLORIDA	POS	2	041		AMERICAN POLITICS	01/10/2022	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	40	
UNIVERSITY OF WEST FLORIDA	AML	2	010		AMERICAN LITERATURE I	01/10/2022	3.0		Humanities	Reviewed: Updated			23	
UNIVERSITY OF WEST FLORIDA	BSC	1	086		ANATOMY & PHYSIOLOGY II	04/28/2022	3.0		Natural Science	Reviewed: No Updates			18	
UNIVERSITY OF WEST FLORIDA	CHM	2	045		GENERAL CHEMISTRY I	08/21/2023	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	33	
UNIVERSITY OF WEST FLORIDA	ECO	2	013		PRINCIPLES OF ECONOMICS MACRO	08/01/2015	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	
UNIVERSITY OF WEST FLORIDA	MAC	1	140		PRECALCULUS ALGEBRA	08/21/2023	3.0		Math	Reviewed: No Updates			33	
UNIVERSITY OF WEST FLORIDA	LIT	2	040		INTRODUCTION TO DRAMA	08/01/2011	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2015
UNIVERSITY OF WEST FLORIDA	CHM	1	020		CONCEPTS IN CHEMISTRY	08/22/2022	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	29	

UNIVERSITY OF WEST FLORIDA	GEO	1	200	L	PHYSICAL GEOGRAPHY LABORATORY	08/01/1986	0.0		Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/24/2020
UNIVERSITY OF WEST FLORIDA	MUH	2	110		MUSIC IN WESTERN CIVILIZATION	08/01/1983	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/13/2003
UNIVERSITY OF WEST FLORIDA	LIT	2	381		WOMEN WRITING/WOMEN'S RIGHTS	08/01/2001	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 04/28/2020
UNIVERSITY OF WEST FLORIDA	AMH	2	020		UNITED STATES SINCE 1877	01/10/2022	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	
UNIVERSITY OF WEST FLORIDA	BSC	2	311		INTRODUCTION TO OCEANOGRAPHY AND MARINE BIOLOGY	08/21/2023	3.0		Natural Science	Reviewed: No Updates			5	
UNIVERSITY OF WEST FLORIDA	BSC	1	010		GENERAL BIOLOGY FOR NON-MAJORS	08/01/2004	3.0	Natural Science	Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2004
UNIVERSITY OF WEST FLORIDA	LIT	2	930		ISSUES IN LITERATURE	08/01/2002	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2010
UNIVERSITY OF WEST FLORIDA	ARH	1	050		INTRODUCTION TO ART HISTORY	08/01/1997	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/1997
UNIVERSITY OF WEST FLORIDA	BSC	1	085		ANATOMY AND PHYSIOLOGY I	08/21/2023	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	26	
UNIVERSITY OF WEST FLORIDA	ENC	1	102		ENGLISH COMPOSITION II	08/22/2016	3.0		Communications	Reviewed: No Updates			37	
UNIVERSITY OF WEST FLORIDA	ENC	1	101		ENGLISH COMPOSITION I	08/22/2016	3	Communications	Communications	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	40	
UNIVERSITY OF WEST FLORIDA	ENG	2	101		INTRODUCTION TO LITERATURE AND FILM	05/01/2000	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 8/2/2009
UNIVERSITY OF WEST FLORIDA	GEA	2	000		NATIONS AND REGIONS OF THE WORLD	08/21/2023	3.0		Social Sciences	Reviewed: Updated			18	
UNIVERSITY OF WEST FLORIDA	ARH	2	051		WESTERN SURVEY II: RENAISSANCE TO CONTEMPORARY	08/28/2017	3.0		Humanities	Reviewed: Updated			32	
UNIVERSITY OF WEST FLORIDA	EUH	1	930		SPECIAL TOPICS IN WESTERN CIVILIZATION	08/01/2001	3.0		Social Sciences	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 8/1/2008
UNIVERSITY OF WEST FLORIDA	MAC	1	105	L	COLLEGE ALGEBRA LABORATORY	08/01/2002	1.0		Math	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 5/31/2002
UNIVERSITY OF WEST FLORIDA	DEP	2	004		HUMAN DEVELOPMENT ACROSS THE LIFESPAN	08/01/1997	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	19	
UNIVERSITY OF WEST FLORIDA	AML	2	020		AMERICAN LITERATURE II	08/28/2017	3.0		Humanities	Reviewed: Updated			23	
UNIVERSITY OF WEST FLORIDA	ENL	2	020		HISTORY OF ENGLISH LITERATURE II	08/28/2017	3.0		Humanities	Reviewed: Updated			1	
UNIVERSITY OF WEST FLORIDA	AMH	2	010		UNITED STATES TO 1877	01/01/1993	3.0	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	35	
UNIVERSITY OF WEST FLORIDA	BSC	1	010	L	GENERAL BIOLOGY/LABORATORY	08/01/1996	1.0	Natural Science	Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 08/01/2004
UNIVERSITY OF WEST FLORIDA	LIT	2	030		INTRODUCTION TO POETRY	08/24/2018	3.0		Humanities	Reviewed: Updated			9	
UNIVERSITY OF WEST FLORIDA	CCJ	2	002		SURVEY OF CRIME AND JUSTICE	08/21/2023	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes	3	
UNIVERSITY OF WEST FLORIDA	CHM	1	032		FUNDAMENTALS OF GENERAL CHEMISTRY	08/01/1999	3.0		Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 8/22/2022
UNIVERSITY OF WEST FLORIDA	ART	2	003	C	VISUAL ARTS EXPERIENCE	01/01/1990	3.0		Humanities	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 8/1/2008
UNIVERSITY OF WEST FLORIDA	PHY	1	020		CONCEPTUAL PHYSICS	08/23/2021	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	25	
UNIVERSITY OF WEST FLORIDA	AST	3	033		MODERN ASTRONOMY	08/01/1981	3.0		Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 4/19/2015
UNIVERSITY OF WEST FLORIDA	PHI	2	010		INTRODUCTION TO PHILOSOPHY	08/01/2015	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	38	
UNIVERSITY OF WEST FLORIDA	CHM	2	046		GENERAL CHEMISTRY II	08/21/2023	3.0		Natural Science	Reviewed: No Updates			26	
UNIVERSITY OF WEST FLORIDA	EUH	1	001		WESTERN PERSPECTIVES II	08/01/2000	3.0		Social Sciences	Reviewed: Updated			25	
UNIVERSITY OF WEST FLORIDA	ANT	2	000		INTRODUCTION TO ANTHROPOLOGY	08/01/2015	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	31	
UNIVERSITY OF WEST FLORIDA	MUH	2	930		THE MUSIC EXPERIENCE	08/22/2022	3.0		Humanities	Reviewed: Updated			1	
UNIVERSITY OF WEST FLORIDA	THE	2	000		THEATRE APPRECIATION	08/28/2017	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	36	
UNIVERSITY OF WEST FLORIDA	GEO	2	330		ENVIRONMENTAL SCIENCE	08/01/1995	3.0		Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 4/7/2015
UNIVERSITY OF WEST FLORIDA	CHM	1	020	L	CONCEPTS IN CHEMISTRY LABORATORY	08/01/1999	1.0	Natural Science	Natural Science	Reviewed: Removed from General Education		Other Changes		Discontinued in SCNS 8/24/2020
UNIVERSITY OF WEST FLORIDA	MMC	2	000		PRINCIPLES OF MASS COMMUNICATION	08/01/2001	3.0		Social Sciences	Reviewed: No Updates			3	



UNIVERSITY OF WEST FLORIDA	ANT	2	100		INTRODUCTION TO ARCHAEOLOGY	01/01/2003	3.0		Social Sciences	Reviewed: No Updates				11	
UNIVERSITY OF WEST FLORIDA	GEB	1	011		INTRODUCTION TO BUSINESS	08/21/2023	3.0		Social Sciences	Reviewed: No Updates				2	
UNIVERSITY OF WEST FLORIDA	LIT	2	931		ENCOUNTERING LITERATURE	08/01/2002	2.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/10/2012
UNIVERSITY OF WEST FLORIDA	EUH	1	000		WESTERN PERSPECTIVES I	08/26/2019	3.0		Social Sciences	Reviewed: Updated				27	
UNIVERSITY OF WEST FLORIDA	REL	2	000		INTRODUCTION TO RELIGION	05/01/1988	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/1/2013
UNIVERSITY OF WEST FLORIDA	LIT	1	120		GREAT BOOKS II	08/01/1988	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/1/2007
UNIVERSITY OF WEST FLORIDA	LIT	2	010		INTRODUCTION TO PROSE FICTION	11/08/1990	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/1/2008
UNIVERSITY OF WEST FLORIDA	CHM	1	032	L	FUNDAMENTALS OF GENERAL CHEMISTRY LAB	08/01/1999	1.0		Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/23/2021
UNIVERSITY OF WEST FLORIDA	PHY	1	020	L	INTRODUCTION TO CONCEPTS OF PHYSICS LAB	08/01/2001	1.0	Natural Science	Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 7/10/2018
UNIVERSITY OF WEST FLORIDA	BOT	1	801		INTRODUCTION TO PLANT SCIENCE	08/01/1996	3.0		Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/26/2013
UNIVERSITY OF WEST FLORIDA	ENL	2	010		HISTORY OF ENGLISH LITERATURE I	08/28/2018	3.0		Humanities	Reviewed: Updated				4	
UNIVERSITY OF WEST FLORIDA	MUL	2	110		MUSIC IN WESTERN CIVILIZATION	08/01/2003	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 4/1/2015
UNIVERSITY OF WEST FLORIDA	MCB	1	000		FUNDAMENTALS OF MICROBIOLOGY	04/28/2022	3.0		Natural Science	Reviewed: No Updates				5	
UNIVERSITY OF WEST FLORIDA	THE	2	300		SURVEY OF DRAMATIC LITERATURE	08/01/2003	3.0		Humanities	Reviewed: Updated				8	
UNIVERSITY OF WEST FLORIDA	ARH	2	050		WESTERN SURVEY I: PREHISTORY TO THE MEDIEVAL PERIOD	08/28/2017	3.0		Humanities	Reviewed: Updated				32	
UNIVERSITY OF WEST FLORIDA	ARH	1	010		INTRODUCTION TO ART HISTORY	08/01/1997	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 4/3/2015
UNIVERSITY OF WEST FLORIDA	BSC	1	010		GENERAL BIOLOGY/LABORATORY FOR NON-MAJORS	08/01/2004	1.0	Natural Science	Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/1/2004
UNIVERSITY OF WEST FLORIDA	BSC	1	005		GENERAL BIOLOGY FOR NON-MAJORS	04/27/2022	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		35	
UNIVERSITY OF WEST FLORIDA	ANT	2	400		CURRENT CULTURAL ISSUES	08/01/2002	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes		1	
UNIVERSITY OF WEST FLORIDA	BSC	1	050		FUNDAMENTALS OF ECOLOGY	08/21/2023	3.0		Natural Science	Reviewed: No Updates				13	
UNIVERSITY OF WEST FLORIDA	LIT	2	100		INTRODUCTION TO LITERATURE	08/01/2006	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 08/01/2006
UNIVERSITY OF WEST FLORIDA	LIT	2	110		WESTERN LITERATURE I	08/01/2006	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 08/01/2006
UNIVERSITY OF WEST FLORIDA	LIT	2	120		WESTERN LITERATURE II	08/01/2006	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 08/01/2006
UNIVERSITY OF WEST FLORIDA	CRW	2	001		INTRODUCTION TO CREATIVE WRITING	08/01/2006	3.0		Humanities	Reviewed: Updated				5	
UNIVERSITY OF WEST FLORIDA	MGF	1	107		MATHEMATICS FOR LIBERAL ARTS II	08/21/2023	3	Math	Math	Reviewed: Removed from General Education		Other Changes			To be discontinued effective fall 2024.
UNIVERSITY OF WEST FLORIDA	ART	2	821		THE SELF, CREATIVITY, YOUR CAREER AND VISUAL CULTURE	4/16/2024	3		Humanities	Reviewed: Removed from General Education		Other Changes		1	To be discontinued effective spring 2025.
UNIVERSITY OF WEST FLORIDA	PHZ	1	450		EXOTIC PHYSICS	08/01/2007	3		Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 08/01/2007
UNIVERSITY OF WEST FLORIDA	SOW	2	192		UNDERSTANDING RELATIONSHIPS IN THE 21ST CENTURY	08/01/2007	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes		1	Updated course description and SLOs
UNIVERSITY OF WEST FLORIDA	AML	2	072		SEX, MONEY AND POWER IN AMERICAN LITERATURE	08/01/2015	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Other Changes			Discontinued in SCNS. Purged eff. 05/19/2019.
UNIVERSITY OF WEST FLORIDA	ART	1	015	C	EXPLORING ARTISTIC VISION	08/01/2008	3		Humanities	Reviewed: Updated				1	
UNIVERSITY OF WEST FLORIDA	SPC	2	608		BASIC COMMUNICATION SKILLS	08/02/2009	3.0		Humanities	Reviewed: Updated				24	
UNIVERSITY OF WEST FLORIDA	LIT	1	122		GREAT BOOKS I	08/01/2010	3.0		Humanities	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 08/01/2010
UNIVERSITY OF WEST FLORIDA	FIN	2	104		PERSONAL FINANCIAL PLANNING	08/21/2023	3.0		Social Sciences	Reviewed: No Updates				1	
UNIVERSITY OF WEST FLORIDA	REL	1	300		INTRODUCTION TO WORLD RELIGIONS	08/01/2013	3.0		Humanities	Reviewed: Updated	No General Education Update	Other Changes		29	Updated SLOs/Gordon Rule status for fall 2025.
UNIVERSITY OF WEST FLORIDA	PHI	2	103		CRITICAL THINKING	03/15/2013	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes		5	
UNIVERSITY OF WEST FLORIDA	IDH	1	041		HONORS CORE 2	03/14/2013	3.0		Social Sciences	Reviewed: Updated				1	

UNIVERSITY OF WEST FLORIDA	IDH	1	040		HONORS CORE 1	01/10/2022	3.0		Humanities	Reviewed: Updated				1	
UNIVERSITY OF WEST FLORIDA	BSC	2	010		BIOLOGY I	08/24/2020	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		29	
UNIVERSITY OF WEST FLORIDA	BSC	2	011		BIOLOGY II	08/24/2020	3.0		Natural Science	Reviewed: No Updates				23	
UNIVERSITY OF WEST FLORIDA	ESC	2	000		INTRODUCTION TO EARTH SCIENCE	08/21/2023	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		27	
UNIVERSITY OF WEST FLORIDA	PHY	2	001		UNIVERSITY PHYSICS I - STUDIO	08/05/2014	5		Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 4/5/2015
UNIVERSITY OF WEST FLORIDA	CIS	2	530		INTRODUCTION TO CYBERSECURITY	04/28/2022	3.0		Natural Science	Reviewed: Updated				1	
UNIVERSITY OF WEST FLORIDA	EVR	2	001		INTRODUCTION TO ENVIRONMENTAL SCIENCE	04/28/2022	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		28	
UNIVERSITY OF WEST FLORIDA	LIT	2	000		INTRODUCTION TO LITERATURE	08/28/2016	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		34	
UNIVERSITY OF WEST FLORIDA	NUR	3	065	C	PATIENT CENTERED CARE II	04/08/2015	3.0		Social Sciences	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 4/22/2016
UNIVERSITY OF WEST FLORIDA	AST	1	002	L	DESCRIPTIVE ASTRONOMY LABORATORY	04/10/2015	1	Natural Science	Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 04/10/2015
UNIVERSITY OF WEST FLORIDA	AST	1	002		DESCRIPTIVE ASTRONOMY	08/23/2021	3	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		37	
UNIVERSITY OF WEST FLORIDA	PHY	2	048	C	CALCULUS-BASED PHYSICS I STUDIO	08/23/2021	5	Natural Science	Natural Science	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		25	
UNIVERSITY OF WEST FLORIDA	ARH	1	000		ART APPRECIATION	08/28/2017	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		38	
UNIVERSITY OF WEST FLORIDA	MUL	2	010		MUSIC APPRECIATION	08/01/2015	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		37	
UNIVERSITY OF WEST FLORIDA	PHY	2	049	C	UNIVERSITY PHYSICS II WITH LAB	04/20/2015	6.0		Natural Science	Reviewed: Removed from General Education		Other Changes			Discontinued in SCNS 8/24/2020
UNIVERSITY OF WEST FLORIDA	PHC	2	082		INFORMATICS AND YOUR HEALTH	08/22/2016	3		Natural Science	Reviewed: Updated				1	
UNIVERSITY OF WEST FLORIDA	MAC	1	147		PRECALCULUS WITH TRIGONOMETRY	05/17/2021	4		Math	Reviewed: No Updates				30	
UNIVERSITY OF WEST FLORIDA	SPM	2	010		SPORT IN GLOBAL SOCIETY	01/10/2022	3		Social Sciences	Reviewed: Updated				1	
UNIVERSITY OF WEST FLORIDA	MAC	1	105	C	COLLEGE ALGEBRA WITH LAB	04/27/2022	4	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		38	
UNIVERSITY OF WEST FLORIDA	COM	2	023		DEATH AND COMMUNICATION	01/06/2020	3		Social Sciences	Reviewed: No Updates				1	
UNIVERSITY OF WEST FLORIDA	HIS	2	050		EXPLORE! HISTORY	05/16/2022	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description		2	Also updated title/SLOs/topics.
UNIVERSITY OF WEST FLORIDA	CGS	2	020		INTRODUCTION TO MACHINE LEARNING	04/28/2022	3		Natural Science	Reviewed: Updated				1	
UNIVERSITY OF WEST FLORIDA	AST	2	037		LIFE IN THE UNIVERSE	08/23/2021	3		Natural Science	Reviewed: No Updates				2	
UNIVERSITY OF WEST FLORIDA	STA	2	360		INTRODUCTION TO DATA SCIENCE	08/22/2022	3		Math	Reviewed: No Updates				1	
UNIVERSITY OF WEST FLORIDA	ECO	3	303		HISTORY OF ECONOMIC THOUGHT	08/22/2022	3		Social Sciences	Reviewed: Removed from General Education		Not Applicable		1	Removed from General Education effective 5/15/2023
UNIVERSITY OF WEST FLORIDA	MGF	1	130		MATHEMATICAL THINKING	01/08/2024	3	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description		5	
UNIVERSITY OF WEST FLORIDA	MGF	1	130		MATHEMATICS IN CONTEXT	01/08/2024	3		Math	Reviewed: Updated		Other Changes			Removed duplicate listing from SCNS.
UNIVERSITY OF WEST FLORIDA	MGF	1	130		MATHEMATICS IN CONTEXT	01/08/2024	3		Math	Reviewed: Updated		Other Changes			Removed duplicate listing from SCNS.
UNIVERSITY OF WEST FLORIDA	MGF	1	131		MATHEMATICS IN CONTEXT	10/30/2023	3		Math	Reviewed: Updated	General Education (Institution)	Course Description		3	
UNIVERSITY OF WEST FLORIDA	IDH	1	043		HONORS CORE: NATURAL SCIENCES	01/08/2024	3		Natural Science	Reviewed: Updated	General Education (Institution)	Other Changes		1	New course to be added spring 2024.
UNIVERSITY OF WEST FLORIDA	HSC	2	100		PERSONAL & FAMILY HEALTH	08/18/2025	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes		4	New course to be added fall 2025.

**Board of Trustees**  
**Academic Affairs Committee**  
**August 15, 2024**

Summary of Degree Program Changes (July 1, 2023 - June 30, 2024)

---

**Recommended Action:**

None

**Background Information:**

This item provides the Board of Trustees with a summary of degree program changes approved through the University governance process during the period July 1, 2023, through June 30, 2024.

For 2023-2024, the degree program changes were as follows:

Actions requiring Board review and approval

- New programs – 1
- Deleted programs – 1
- Significantly modified programs – 0
- Programs with credit hour reductions – 2

Actions not requiring Board review and approval

- New specializations within existing degree programs – 2
- Deleted specializations within existing degree programs – 3
- Modified specializations – 73
  
- New minors – 0
- Deleted minors – 1
- Modified minors – 7
  
- New courses added – 71
- Reinstated courses – 12
- Modified courses – 239
- Deleted courses – 11
- Purged courses from 5-year purge process – 66

**Implementation Plan:**

UWF follows established timelines and policies of the University Governance process, Board of Trustees, and Board of Governors regarding academic program development.

**Fiscal Implications:**

Addressed at the time of program approval.

**Relevant Authority:**

- AC-08.02-04/14 Academic Program Termination Policy
  - AC-09.03-09/23 New Academic Degree Program Approval
  - BOG Regulation 8.011 Academic Degree Program Coordination and Approval
  - BOG Regulation 8.012 Academic Program Termination and Temporary Suspension of New Enrollments
- 

**Supporting Documents:**

1. New and Deleted Programs – Faculty Senate Actions 2023-2024
2. 5-Year Course Purge List – Courses Deleted from the 2024-2025 Catalog

**Prepared by:**

Dallas Snider, Vice Provost, Division of Academic Affairs, 850.473.2035, [dsnider@uwf.edu](mailto:dsnider@uwf.edu)

**Presenter:**

Dallas Snider, Vice Provost

**NEW AND DELETED PROGRAMS**  
**Faculty Senate Actions 2023-2024**

Compiled by Emily Teets, Senior Coordinator, Registrar's Office, with assistance from Enrollment Affairs.

COLLEGE	CIP CODE	TITLE	DEGREE	APPROVAL DATE
<b>PROGRAM LEVEL (Requires Board of Trustees Action)</b>				
<b>New Programs</b>				
Health	30.1701	Behavior Analysis	MS	5/14/2024
<b>Deleted Programs</b>				
Business	45.0601	Economics	BA	4/26/2024
<b>PROGRAM LEVEL (Board of Trustees Action Not Required)</b>				
<b>New Specializations</b>				
Arts, Social Sciences, Humanities	30.0000	Bachelor of General Studies - Culture, Health & Society	BGS	4/20/2024
Health	31.0505	Accelerated BS Exercise Science /MS Exercise Science	BS	4/24/2024
<b>Deleted Specializations</b>				
Science, Engineering	30.0101	Zoological Science	BS	3/28/2024
Health	51.3801	Accelerated BSN/MSN Nursing Education	BSN	4/23/2024
Health	51.3801	Accelerated BSN/MSN Nursing Leadership	BSN	4/17/2024
<b>Added Minors</b>				
None				
<b>Deleted Minors</b>				
Health	N/A	Minor in Behavior Analysis	MINOR	4/23/2024

<u>73</u>	Specializations were modified.
<u>7</u>	Minors were modified.
<u>71</u>	New courses were added.
<u>12</u>	Courses were reinstated
<u>239</u>	Courses were modified.
<u>11</u>	Courses were deleted.
<u>66</u>	Courses were purged from 5-year purge process.

5-Year Course Purge List  
Courses Deleted from the 2024-2025 Catalog

College	Department	Course	Course Title	Material or Supply Fees
CASSH	Anthropology	ANG 5516	Modern Human Physical Variation	No
CASSH	Art and Design	ARH 4302	Late Renaissance Art in Italy	No
CASSH	Art and Design	ART 4936C	BFA Professional Seminar I	No
CASSH	Art and Design	ART 4937C	BFA Professional Seminar II	No
CASSH	Art and Design	ART 4938C	BFA Professional Seminar III	No
CASSH	Communication	COM 4022	Health Communication	No
CASSH	Communication	COM 5527	Communication Agency	No
CASSH	Communication	SPC 6545	Persuasion	No
CASSH	Criminal Justice	PLA 4225	Trial Practice	No
CASSH	English	AML 2072	Sex, Money, and Power in American Literature	No
CASSH	English	LIT 3233	Postcolonial Literature	No
CASSH	Government	FRE 4955	Supervised Foreign Language Field Experience Abroad	No
CASSH	Government	INR 3073	Analyzing Issues in International Politics	No
CASSH	History and Philosophy	EUH 3203	Modern Europe	No
CASSH	History and Philosophy	EUH 3502	England Since 1485	No
CASSH	History and Philosophy	EUH 4521	Victorian England	No
CASSH	History and Philosophy	EUH 4535	England and America from the Colonial Period to Present	No
CASSH	History and Philosophy	HIS 4164	Doing Digital History	No
CASSH	History and Philosophy	HIS 4955	Overseas and Field Study in History	No
CASSH	History and Philosophy	HIS 5165	Doing Digital History	No
CASSH	Music	MUH 3622	The Irish Experience - A Survey of the History of Irish Music and Culture	No
CASSH	Theatre	DAA 2000	Dance Fundamentals	No
CASSH	Theatre	DAA 2570C	Beginning Jazz and Tap Technique	No
CASSH	Theatre	DAA 3005	Dance Styles II	No
CASSH	Theatre	DAA 3571C	Intermediate Jazz and Tap Technique	No
CASSH	Theatre	THE 3062	Theatre Ireland Experience	No
CASSH	Theatre	TPP 1282	Voice and Movement for the Stage	No
CASSH	Theatre	TPP 2250L	Musical Theatre Vocal Theory Lab	No
COB	Accounting & Finance	BUL 4514	Intellectual Property Law	No
COB	Business Administration	ISM 3235	Business Development Environments	No
COB	Business Administration	MAN 4801	Business Plan Development for New Ventures	No
COB	Department of Commerce	ECO 3223	Money and Banking	No
COB	Department of Commerce	ECP 3301	Principles of Environmental Economics	No
COB	Department of Commerce	ECP 4302	Environmental Economics and Policy	No
COB	Department of Commerce	ECP 4314	Natural Resources Economics	No
COB	Department of Commerce	ECP 4413	Industrial Economics	No
HMCSE	Earth & Environmental Sciences	EVR 4949	Co-Op Work Experience	No
HMCSE	Earth & Environmental Sciences	EVR 5413	Environmental Aspects of Urban Growth	No
HMCSE	Earth & Environmental Sciences	GEO 5289L	Basic Hydrology Lab	No
HMCSE	Earth & Environmental Sciences	GIS 4260	GIS Applications for Archaeology	No
HMCSE	Earth & Environmental Sciences	GIS 4938	Special Topics in GIS for Archaeology	No
HMCSE	Earth & Environmental Sciences	GIS 5265	GIS Applications for Archaeology	No
HMCSE	Electrical & Computer Engineer	EEL 4594	Introduction to Mobile Robotics	No
HMCSE	Electrical & Computer Engineer	EEL 4603L	Introduction to KUKA Robotics	No
HMCSE	Intelligent Systems & Robotics	CAP 5668	Human Agent/Robot Teamwork	No
HMCSE	Intelligent Systems & Robotics	CAP 6579	Advanced Data Mining	No
HMCSE	Intelligent Systems & Robotics	CAP 6671	Intelligent Agents	No
HMCSE	Intelligent Systems & Robotics	CAP 7640	Topics in Natural Language Processing	No
HMCSE	Intelligent Systems & Robotics	EEL 6617	Multivariable Linear Control Systems	No
HMCSE	Mathematics & Statistics	MAP 6377	Numerical Analysis of Partial Differential Equations	No
HMCSE	Mathematics & Statistics	MAT 4935	Proseminar Topics	No
SOE	School of Education	EDF 8940	Seminar: Supervised Doctoral Internship	No
SOE	School of Education	EDG 5366	Investigative Strategies and Empirical Foundations in Learning and Development	No
SOE	School of Education	EDG 7241	Social Justice, Inequalities, and Power: A Global Overview	No
UKCOH	Health Sciences & Admin	HSA 4431	Healthcare Operations	No
UKCOH	Movement Sciences and Health	APK 3232	Measurement and Evaluation in Health, Leisure, and Sports	YES
UKCOH	Movement Sciences and Health	HSC 2130	Sex & Booze: A Peer Health Education Course	No
UKCOH	Movement Sciences and Health	HSC 2577	Principles of Nutrition	No
UKCOH	Movement Sciences and Health	HSC 4133	Health Aspects of Human Sexuality	No
UKCOH	Movement Sciences and Health	PEM 2114	Cycle Fit	No
UKCOH	Public Health	PHC 5198	Applied Qualitative Research Methods	No
UKCOH	Public Health	PHC 7011	Advanced Epidemiological Methods	No
UKCOH	Public Health	PHC 7467	Behavioral Health Intervention Strategies	No
UKCOH	Public Health	PHC 7704	Community Participatory Research for Health	No
UKCOH	Public Health	PHC 7710	Qualitative Research Methods and Applications	No
UKCOH	Public Health	PHC 7944	Doctoral Public Health Practicum	No