

**Members present (via Webex):** Thomas Stollar, AL; Ethlyn Williams, BA; Yash Bhagwanji, ED; Dan Meeroff, EG; Nicholas Baima, HC; Katherine Chadwell, NU; Korey Sorge, SC; Precious Skinner-Osei, SJ; Lawrence Mello, Library; Edward Pratt, Dean, Undergraduate Studies; Donna Chamely-Wiik, Office of Undergraduate Research and Inquiry; Mary Ann Gosser, University Honors Council; Brian Hodge, Maria Jennings, Elissa Rudolph, Registrar's Office.

**Guests:** Barclay Barrios, Interdisciplinary Studies; Randy Brooks, Biological Sciences; Carla Calarge, Languages, Linguistics and Comparative Literature; Douglas Cumming, Finance; Tamara Dinev; Information Technology and Operations Management; Seth Fallik, Criminology and Criminal Justice; Eric Hanne, History; Hari Kalva, Electrical Engineering and Computer Science; Robin Larson, Public Administration; Nicole Morse, Women, Gender and Sexuality Studies; Lincoln Sloas, Criminology and Criminal Justice; Hanqi Zhuang, Electrical Engineering and Computer Science; Michael Zourdos, Exercise Science and Health Promotion.

The meeting was called to order at 10 a.m.

## I. APPROVAL OF MINUTES AND ANNOUNCEMENTS

Chair Dan Meeroff asked for any changes to the September 13, 2021 minutes. There being none, the previous meeting's minutes were approved. He also reminded Committee members that any items approved at this meeting would appear on the UFS Steering and Senate meeting agendas on October 28 and November 8, respectively. He asked those colleges with items approved to be sure a representative is present at those meetings to answer any concerns.

Donna Chamely-Wiik, Director of the Office of Undergraduate Research and Inquiry, made an announcement about the Undergraduate Research Certificate that was approved last spring. She stated that the final college endorsement for the certificate is now received from the College of Social Work and Criminal Justice. The proposal was reviewed by faculty and staff within the College during full school faculty meetings and received supportive faculty feedback. As part of the endorsement, the College stated, "We value the undergraduate research and inquiry initiative and its significant benefit to developing translational skills and to student retention and success. We look forward to offering this Certificate to our undergraduate students and recognize their excellence in undergraduate research."

## II. OLD BUSINESS

### 1. Arts and Letters

AL Rep Thomas Stollar requested that the termination of ART 2501C be postponed until the next UUPC meeting. **The UUPC agreed to postpone the item.**

AL Rep Stollar introduced Guest Carla Calarge to speak about HUM 2470. She described the new course and said that it would be included in the Humanities section of the Intellectual Foundations Program, eventually to be included in the Cluster on Social Justice. **The UUPC approved the new course.**

Guest Robin Larson then took up discussion of another new course, PAD 2013, which will also be added to the Intellectual Foundations Program in the Society and Human Behavior section. **The UUPC approved this new course also.**

## 2. Honors College

HC Rep Nicholas Baima stated the Honors College received the supporting documentation that the UUPC required at last month's meeting for the four Honors College program changes. Now the four program changes have accompanying support letters from the colleges affected. **The UUPC approved the program changes.**

<a href="#">ART 2501C</a> (Postponed to next meeting.)	Painting 2	<b>3</b>	Terminate	
<a href="#">HUM 2470</a> <a href="#">IFP Approval</a>	Racism and Anti-Racism	<b>3</b>	New and add to Foundations of Humanities (IFP designation)	
<a href="#">PAD 2013</a> <a href="#">IFP Approval</a>	Risk, Resilience and Rising Seas	<b>3</b>	New and add to Foundations of Society and Human Behavior (IFP designation)	
<a href="#">Program Change</a> <a href="#">UHC approval</a> <a href="#">Support</a>	Biological Chemistry Concentration		Replace existing honors thesis courses with IDS 4970 and revise course offerings	
<a href="#">Program Change</a> <a href="#">UHC confirmed</a> <a href="#">Support</a>	International Studies Concentration		Replace existing honors thesis courses with IDS 4970 and revise course offerings	
<a href="#">Program Change</a> <a href="#">UHC confirmed</a> <a href="#">Support</a>	Latin American Studies Concentration		Replace existing honors thesis courses with IDS 4970 and revise course offerings	
<a href="#">Program Change</a> <a href="#">UHC confirmed</a> <a href="#">Support</a>	Law and Society Concentration		Revise course offerings	

### III. NEW BUSINESS

#### 1. Arts and Letters

AL Rep Stollar introduced Guest Eric Hanne of the History Department to speak about a program change and a new course. Guest Hanne mentioned that the program change entails adding a recently approved course to the list of electives for the Africana History Concentration. There were no other changes. Regarding the new course, History of Science, he shared that it was created at the request of the College of Science to allow its students to take a general course geared toward the history of science majors. It was discussed that this course seems like a good candidate for the Intellectual Foundations Program, but Guest Hanne said perhaps at a later date. **The UUPC approved the program change and the new course.**

Next, Guest Barclay Barrios of Interdisciplinary Studies, described a new concentration in the Interdisciplinary Studies bachelor's program to be called Community and Visual Design. The new concentration gives students even more flexibility in their choices and will be especially appealing to Architecture students as an avenue for graduation if they are not successful in Architecture's upper-division program. **The UUPC approved the new concentration.**

In the Visual Arts and Art History Department, four new 1-credit courses were proposed, the result of splitting a 4-credit course four ways. This development permits students to focus on a certain technical aspect of graphic art software rather than studying the four aspects together. AL Rep Stollar said that

terminating the 4-credit course would not cause any conflict because that course is not required. Chair Meeroff suggested it might be beneficial to be sure the termination would not cause problems and moved to postpone approval of the termination until the next meeting. **The UUPC approved the four new Art courses, a course change to GRA 2208C, and to postpone the termination of GRA 3435C.**

The two new Women, Gender and Sexuality Studies courses were introduced by Guest Nicole Morse. She said that both courses have been offered as Special Topics courses and were very popular. The department has plans to include one or both new courses in a proposed Sports Studies Certificate. **The UUPC approved both new courses.**

<a href="#">Program Change</a>	Concentration in Africana History		Add a course to list of electives	
<a href="#">HIS 3462</a>	History of Science	3	New	
<a href="#">Program Change Support</a>	BA in Interdisciplinary Studies, Concentration in Community and Visual Design		New concentration	
<a href="#">GRA 2124L</a>	Intro to Multipage Document Software	1	New	
<a href="#">GRA 2134L</a>	Intro to Interface Software	1	New	
<a href="#">GRA 2151L</a>	Intro to Illustration Software	1	New	
<a href="#">GRA 2152L</a>	Intro to Image Editing Software	1	New	
<a href="#">GRA 2208C</a>	Typographic Design Lab 1	3	Change prereqs., coreqs.	
<a href="#">GRA 3435C</a> (Postponed to next meeting.)	Technology Intensive	4	Terminate	
<b>Graphic Design Rationale for Changes</b>				
<a href="#">WST 4614 Support</a>	Gender and Sport	3	New	
<a href="#">WST 4621 Support</a>	Men and Masculinities	3	New	

## 2. Business

BA Rep Ethlyn Williams introduced Guest Douglas Cumming of the Finance Department to speak about a new minor and certificate in Financial Technology. He stated that the nickname – “FinTech” – should be used to describe the program because it is a familiar term to those in the financial industry. He stated there is high interest in such a program and that it received 100 percent support from the Finance faculty and the Information Technology and Operations Management (ITOM) faculty. **The UUPC approved the new minor and certificate.**

Guest Tamara Dinev of the ITOM Department described a new minor and certificate in Interdisciplinary Applications of Artificial Intelligence to be offered by four colleges: Arts and Letter, Business, Engineering and Science. She stated the program was created through a committee process that involved representation from the four colleges. ED Rep Yash Bhagwanji asked if there could be problems with such combined offerings. Guest Dinev replied that the program’s long list of electives includes courses from the four colleges to allow students to have exposure to various subjects and the proposal includes letters of support from all colleges. Maria Jennings, Registrar’s Office, added that similar programs with combined offerings are currently in existence and operate effectively. **The UUPC approved the new minor and certificate.**

Guest Dinev then discussed a program change in the minor and certificate in Business Analytics, which includes adding more course choices to the program requirements to allow for more flexibility. Another program change, this one regarding Management Information Systems for both the B.B.A. and B.S. degrees, includes adding more electives to the current list. In closing, Dr. Dinev presented a new course - ISM 4451, which she said was created in response to student demand for a course on blockchain and cryptocurrency. She added that the course has a support letter from Dr. Hanqi Zhuang of the Electrical Engineering and Computer Science Department. **The UUPC approved both program change requests and the new course request.**

<a href="#"><u>New Minor and Certificate Support</u></a>	Financial Technology ("FinTech")		New	
<a href="#"><u>New Minor and Certificate Support</u></a>	Interdisciplinary Applications of Artificial Intelligence		New	Offered by AL, BA, EG, SC
<a href="#"><u>ISM 4451 Support</u></a>	Blockchain: Business Implications	3	New	
<a href="#"><u>Program Change</u></a>	Business Analytics Minor and Certificate		Adding courses to list of requirement choices	
<a href="#"><u>Program Change</u></a>	Management Information Systems (BBA and BS)		Adding to list of electives, modify concentration requirements	

### 3. Engineering and Computer Science

Guest Hari Kalva first addressed a proposal to change the Professional BSCS degree program to a Professional BACS program. This BSCS program was never launched, so the title change will not affect anything currently. **The UUPC approved the title change.**

Next the current BACS program will have the core and elective courses revised and a new second bachelor’s program is proposed. ED Rep Bhagwanji asked if the required courses for the current BACS are changing. Dr. Kalva said they were being re-ordered, not changed, with no increases in totals. Another question concerned the need for a second bachelor’s program. Dr. Kalva stated that the department is responding to a demand they perceive for a second BACS. **The UUPC approved the BACS changes and the establishment of a second BACS.**

Three other program changes involved the revamping of entire programs, including some changes to the total credits. Dr. Kalva stated that these changes comprise a response to ABET accreditation and to help students become more competitive in the industry. The BSCE is going from 124 credits to 123 and the BSEE is going from 125 credits to 123. The BSCS remains at 120 credits.

University Registrar Brian Hodge asked about PHY 2044, Physics for Engineers 2, which is included in the General Education Core for the three programs. He stated this course does not appear in the catalog as an Intellectual Foundations Program (IFP) course. Undergraduate Studies Dean Ed Pratt confirmed and said the course would have to be approved by the Core Curriculum Committee (CCC). After much discussion, Chair Meeroff explained that PHY 2044 has been part of the General Education Core for the three programs. It is not something that is being added now. He noted a statement listed in the Foundations of Science and the Natural World in the catalog, which reads, “or any course in the natural sciences for which one of the above courses is the direct prerequisite.” PHY 2044 is a prerequisite for one of the courses in that table, PHY 2048; therefore, based on that statement, PHY 2044 can be accepted as an IFP course. The Committee accepted this explanation, but Guest Hanqi Zhuang said the department could still request that PHY 2044 be proposed as an IFP course in the near future. SC Rep Korey Sorge added that it would be helpful to Science if PHY 2043, Physics for Engineers 1, could be included in the IFP as well. Engineering can entertain that request, but 2043 was terminated and would need complete reactivation, plus approval from the CCC to be added back to the IFP. **The UUPC approved all three program changes.**

Thirty-seven new or changed courses were considered en masse by the UUPC. Chair Meeroff explained that the new courses and course changes are needed as part of the revamping of the programs noted above and in response to the College’s ABET review. After some discussion, **the UUPC approved all new and changed courses.**

<a href="#">Program Change Self-Supporting Documentation Support</a>	Professional BSCS (New title: Professional BACS)		Change Professional program in Computer Science from BSCS degree to BACS degree	
<a href="#">Program Change &amp; New Program</a>	Bachelors of Arts in Computer Science (BACS) New Second Bachelor's BACS program		Revise core courses and electives in the BACS program, add a Second Bachelor's BACS program	
<a href="#">Program Change</a>	BSCE in Computer Engineering		Revamp of entire program, reduce credits from 124 to 123	
<a href="#">Program Change</a>	BSCS in Computer Science		Revamp of entire program, new core courses, new electives	
<a href="#">Program Change</a>	BSEE in Electrical Engineering		Revamp of entire program, new core courses, new electives, reduce credits from 125 to 123	

CAP 4630	Introduction to Artificial Intelligence	3	Change course description	
CAP 4770	Introduction to Data Mining and Machine Learning	3	Change course description and prereqs.	
CAP 4773	Introduction to Data Science and Analytics		Change prereqs.	
CDA 3203	Computer Logic Design	3	New	
CDA 4102	Structured Computer Architecture (New title: Computer Architecture)	3	Change title, course description, prereqs.	
CDA 4323	Hardware Security	3	New	
CDA 4630	Introduction to Embedded System Design	3	Change course description, prereqs.	
CEN 4065 <u>Support</u>	3D Modeling and Design	3	New	
CEN 4214	Software Hardware Codesign (New title: Hardware Software Codesign)	3	Change title, course description, prereqs.	
CNT 4005	Communication Networks	3	New	
CNT 4164	Introduction to Internet of Things and Sensor Networks	3	New	
COP 2220	Introduction to Programming in C (New title: Programming 1)	3	Change title, course description	
COP 3014	Foundations of Computer Science (New title: Programming 2)	3	Change title, course description	
COP 3530	Data Structures and Algorithm Analysis	3	Change prereqs., coreqs.	
COP 3540	Introduction to Database Structures	3	Change title, course description, prereqs.	
COP 4020	Programming Languages (New title: Principles of Programming Languages)	3	Change title, course description, prereqs., coreqs.	
COP 4045	Python Programming	3	Change course description, prereqs.	
COP 4259	Advanced Java Programming	3	New	

COP 4610	Computer Operating Systems	3	Change course description, prereqs.	
COP 4655	Mobile App Projects	3	Change course description, prereqs.	
COP 4703	Applied Database Systems (New title: Advanced Database Systems)	3	Change title, course description, prereqs.	
COP 4808	Full-Stack Web Development	3	New	
COP 4814	Web Services (New title: Foundations of Cloud Computing)	3	Change title, course description, prereqs.	
COT 4400	Design and Analysis of Algorithms	3	Change course description, prereqs.	
COT 4420	Formal Languages and Automata Theory (New title: Theory of Computation)	3	Change title, course description, prereqs.	
EEE 3300	Electronics 1	4 (3)	Change course description, credits, prereqs.	
EEE 4361 (4361C)	Electronics 2 (New title: Electronics 2 and Lab)	3	Add "C" to course number, change title, course description, prereqs.	
EEE 4362C	Electronics 3 and Lab	3	New	
EEE 4510	Introduction to Digital Signal Processing	3	Change course description, prereqs.	
EEL 3118L	Electronics Laboratory 1	2(3)	Change course description, credits, prereqs., coreqs.	
EEL 3514 Support	Signals and Digital Filter Design	3	New	
EEL 4281	Photovoltaic Power Systems	3	Change course description, prereqs.	
EEL 4512 (4512C)	Communication Systems (New title: Principles of Communication Systems)	3	Add "C" to course number, change title, course description,	

			prereqs., coreqs.	
<b>EEL 4520</b>	Introduction to Digital Communication Systems	3	New	
<b>EEL 4580</b>	Introduction to Wireless Communication Systems	3	New	
<b>EEL 4652 (4652C)</b>	Control Systems 1	3	Add "C" to course number, change course description, prereqs.	
<b>EGN 4950C</b>	RI: Engineering Design 1	3	Change course description, prereqs., coreqs.	

#### 4. Science

SC Rep Sorge introduced Guest Randy Brooks, who discussed changes to the Biological Sciences bachelor's programs and course terminations. The BA and BS in Biological Sciences have proposed changes that add a new course to lists of electives and delete two Vertebrate Zoology courses. **The program changes and course terminations were approved by the UUPC.**

Guest Michael Zourdos discussed changes in the Exercise and Health Promotion Department for the BA in Health Science. The department proposes an elective change that involves replacing a course from the College of Nursing with a course that is a better fit from Exercise Science. ED Rep Bhagwanji asked if input was needed from the College of Nursing to remove the elective. It was determined that since the course is not a required elective, but instead part of a list of elective choices, this change should not cause an impact on enrollment. The department also proposed eliminating two concentrations, Geriatrics (Aging Studies) and Pre-Clinical, which have not had sufficient enrollment to keep them active. **The UUPC approved the changes in the BA program.**

<b>ZOO 2303</b>	Vertebrate Zoology	3	Terminate	
<b>ZOO 2303L</b>	Vertebrate Zoology Lab	1	Terminate	
<b>Program Change</b>	BA in Biological Sciences		Change Biology electives	
<b>Program Change</b>	BS in Biological Sciences		Change Biology electives	
<b>Program Changes</b>	BA in Health Science		Replace an elective and terminate two concentrations	

#### 5. Social Work and Criminal Justice

Guest Seth Fallik addressed changes in the Criminal Justice Minor's catalog wording. After some discussion and recommended edits, the UUPC approved the Minor's changes on the condition that the catalog wording is further revised according to the edits proposed at the meeting. Guest Fallik agreed with the edits and assured the Committee that he would be submitting the updated proposal that day. **The UUPC approved program changes on the condition that the additional text edits are submitted.** (The revised proposal was received shortly after the meeting.)



Guest Lincoln Sloas spoke next about adding IFP designation for CCJ 2002. This course will be included in the Foundations of Society and Human Behavior. A support letter from the Core Curriculum Committee was attached. **The UUPC approved the addition of the IFP designation.**

SJ Rep Precious Skinner-Osei presented an SOW course that was approved to receive the Academic Service Learning (ASL) designation. A support letter from the ASL committee was attached. **The UUPC approved the addition of the ASL designation.**

<a href="#"><u>Program Change</u></a>	Criminal Justice Minor		Amend grading option	
<a href="#"><u>CCJ 2002 IFP Approval</u></a>	Law, Crime and the Criminal Justice System	3	Add to Foundations of Society and Human Behavior (IFP designation)	
<a href="#"><u>SOW 3232 ASL approval</u></a>	Social Welfare Policy and Provisions	3	Add ASL designation	

6. Education, Nursing and Library had no reports.

**IV. FINAL DISCUSSION/NEXT MEETING/ADJOURNMENT**

1. Donna Chamely-Wiik is working on a plaque for Jerry Haky, the UUPC’s 15-year chair, who is retiring from FAU this semester.
2. The next UUPC meeting is Monday, November 8, 2021, 10 a.m. to noon, via Webex.
3. Steering meeting dates: <http://www.fau.edu/ufsgov/steering-committee.php>
4. University Faculty Senate meeting dates: <http://www.fau.edu/ufsgov/calendar.php>
5. Chair Meeroff declared the meeting adjourned at 11:46 a.m.