

AGRICULTURAL FACULTY MEETING

Wednesday, December 6, 2023

3:00 p.m. – 4:30 p.m.

PFEN 241

1. Call to Order – Dean Bernie Engel
2. Approval of Agenda
3. Academic Programs Update – Senior Associate Dean Christine Wilson
4. Consent Agenda – Action Items

Approval of Minutes of March 23, 2023 Agricultural Faculty Meeting
Document VIII – Curriculum and Student Relations Committee
Part I – Update to Core Curriculum Lists
Part II – Deletion of courses
Part III – Modification of courses
Approval of 2023 December Degree Candidates

5. Memorial Resolutions
6. Report Items

Curriculum and Student Relations – R.P. Kingsly Ambrose
University Senate Report – Mark Russell
University Core Curriculum Report – Jeneen Fields
Dean's Comments – Bernie Engel

7. Other Business

**CoA Curriculum and Student Relations Committee
Approved Curricular Changes**

Part I. Update to Core Curriculum Lists (For Information Only)

The Agricultural Faculty authorized the Curriculum and Student Relations Committee to adjust the lists of courses that may fulfill core curriculum requirements in undergraduate plans of study and to report changes to the total faculty. The Curriculum and Student Relations Committee has approved the following additions to the core curriculum lists.

Humanities/Social Sciences

LA 16600 History and Theory of Landscape Architecture

Multicultural Awareness

EDPS 31600 Collaborative Leadership: Cross-Cultural Settings

Part II. Expiration of a course (For Information Only)

The Agricultural Faculty authorized the Curriculum and Student Relations Committee to approve expiration of courses and to report these to the total faculty. The Curriculum and Student Relations Committee has approved expiration of the following courses:

ASEC 21200 Greenhouse And Landscape Fundamentals For Educators

Justification: Expiring of ASEC 21200 was voted on by faculty. This course is taken by ASEC students and is known as HORT 21200.

HORT 50600 Commercial Grape and Wine Production

Justification: The course was cross-listed with FS 50600 and FS deleted the course from their course offerings.

Part III. Modifications of a course (For Information Only)

The Agricultural Faculty authorized the Curriculum and Student Relations Committee to approve modifications of courses and to report these to the total faculty. The Curriculum and Student Relations Committee has approved modifications of the following courses:

AGEC 29800 Sophomore Seminar

Proposed Change: Change course title to Careers in Agribusiness. Change course description to: This course is designed to give an overview of the career possibilities available to students with a degree from the Department of Agricultural Economics at Purdue University. The goal of the course is to help students think about their future, engender excitement about the diversity of career prospects that will be available to them, and help provide real world context for the material that will be learned in other Agribusiness and Agricultural Economics courses. Students will learn from individuals working all along the farm and food value chain from agricultural input supply to farming to transportation and storage to food processing to food retailing, in firms ranging from start-ups to multinational corporations. Additionally, students will learn from individuals working in affiliated careers from government, law, education and non-governmental organizations, etc. as well as from some who are no longer working in food and agriculture

Justification: The updated title and course description will provide students with a better sense of the course content and how it aligns with their degree program. Additionally, the updated title and description may improve the course's appeal with students who are still undecided (Exploratory) on their major.

Expected Impact to other Programs: Minimal impact to other programs as this is an introductory AGEC course. Remains a degree requirement for all AGEC students.

AGEC 35200 Quantitative Techniques for Firm Decision Making

Proposed Change: Add AGEC 20201 or ASM 10500 as a course pre-requisite. New list of course pre-requisites would be AGEC 20201 or ASM 10500 and STAT 30100.

Justification: AGEC 20201 provides foundational training in Excel and basic statistical concepts that students need to succeed in latter quantitative and Excel-based courses, including AGEC 35200. ASM 10500 is considered an equivalent course to AGEC 20201, so we include it here as AGEC 35200 is a required course for both ASM and AGEC students.

Expected Impact to other Programs: ASM is likely the program to be most impacted outside of AGEC because AGEC 35200 is a requirement for ASM students. For this reason, we have added the ASM equivalent of AGEC 20201 (ASM 10500) as an alternative pre-req. ASM students are already required to take ASM 10500 in their degree programs.

AGEC 42900 Agri-Marketing Analytics

Proposed Change: Add AGEC 20400 and ECON 25100 to the list of introductory microeconomics pre-requisite options. Add MGMT 32300 and MGMT 32400 to the list of introductory marketing pre-requisite options. New full list of pre-reqs would be: AGEC 20300 OR AGEC 20400 OR ECON 25100 AND AGEC 32700 OR MGMT 32300 OR MGMT 32400 AND STAT 30100 AND AGEC 20200 OR AGEC 20201.

Justification: Students are currently granted exceptions for AGEC 20400 and ECON 25100 as well as MGMT 32300 and MGMT 32400 to enroll in this course; however, it is not officially listed in the catalog. This change will improve transparency.

Expected Impact to other Programs: Since students can already receive exceptions for AGECEC 20400 and ECON 25100 as well as MGMT 32300 and MGMT 32400 to enroll in this course, there should be minimal impact on other programs.

AGEC 45100 Applied Econometrics

Proposed Change: Add AGECEC 20201 as a course pre-requisite. New list of course pre-requisites would be AGECEC 20201 and STAT 30100

Justification: AGECEC 20201 provides foundational training in Excel and basic statistical concepts that students need to succeed in latter quantitative and Excel-based courses, including AGECEC 45100

Expected Impact to other Programs: AGECEC 45100 is not listed as a degree requirement in any other programs, so there is likely minimal impact to other programs. May impact other programs if their students would like to enroll in AGECEC 45100 but have not previously taken AGECEC 20201. Students in these situations may request permission from the instructor. However, recent enrollment data suggest that AGECEC 45100 is almost exclusively taken by AGECEC students.

AGRY 5800 Soil Microbiology

Proposed Change: Update course title in University Catalog to “Soil and rhizosphere microbiology” and update the course description.

Justification: AGRY 58000 has not been taught in four years and needs an update. In the interim, there has been a steady accumulation of knowledge demonstrating the vital role of plant-microbe interactions and rhizosphere processes in soil microbiology. The proposed changes place a greater emphasis on the role of plant-microbe interactions in soil microbiology and biogeochemical cycling, while maintaining a focus on soil microbiology. The course will no longer be co-taught by an instructor from ABE, and will therefore no longer be cross listed

Expected Impact to other Programs: This change will not impact on other programs. The instructor of “The Plant Microbiome” (HORT 52500), Dr. Lori Hoagland, and the head of Horticulture, Dr. Linda Prokopy, have approved of this change. The previous instructor from ABE, Dr. Sara McMillan, is no longer at Purdue University.

ASEC 28500 Introduction to Publication Design

Proposed Change: Cross-list existing ASEC course with School of Communication as COM 28500. COM 28500 already appears in course catalog.

Justification: The Agricultural Communication Program is administered in cooperation with the Brian Lamb School of Communication. We wish to make this course more readily available to BLSC students. This is a selective (not required) course in the AGCM major

Expected Impact to other Programs: No expected impact to other programs. Course remains open to all students.

BTNY 12000 Principles of Plant Biology I

Proposed change: This course introduces fundamental biological concepts and prepares students for more specialized plant biology studies. Lectures and laboratory exercises will cover the topics of plant diversity, morphology, physiology, and ecology. Throughout the course, emphasis will be placed on how scientific data is collected and interpreted, and the lab component will

perfect key observational skills in botany. Our goal is to provide essential foundational knowledge in plant biology for progression to upper-level courses.

Justification: Change of instructors and improved continuity of content with BTNY12000 focusing on organismal plant biology, BTNY121000 on genetics, cell and molecular plant biology.

Expected Impact to other Programs: No impact as there is no net content change when the two courses are taken together.

BTNY 12100 Principles of Plant Biology II

Proposed change: This course introduces fundamental biological concepts and prepares students for more specialized plant biology studies. Lectures and laboratory exercises will cover mechanisms and processes of genetics, molecular biology, cell biology, and plant development.

Throughout the course, emphasis will be placed on how scientific data is collected and interpreted, and the lab component will perfect key observational skills in botany. Our goal is to provide essential foundational knowledge in plant biology for progression to upper-level courses.

Justification: Change of instructors and improved continuity of content with BTNY12000 focusing on organismal plant biology, BTNY121000 on genetics, cell and molecular plant biology

Expected Impact to other Programs: No impact as there is no net content change when the two courses are taken together.

BTNY 30500 Plant Taxonomy and Evolution

Proposed Change: Revise prerequisites to BTNY 12000 or BTNY 12100 (or instructor permission). From BTNY 11000, BIOL 11000 or BTNY12100.

Justification: This change brings the prerequisites for this class in line with the content delivered. The content of BTNY 30500 builds directly upon content provided in BTNY 12000 and BTNY 12100, the current prerequisites have not been changed in 5 years when the course had a different instructor and the BTNY12000/BTNY12100 series had not yet been established.

Expected Impact to other Programs: BTNY 30500 is required for PLSC and NRES majors who are required to take either BTNY 12000 or BTNY 12100. Students in the Plant Science concentration of the HORT major require BTNY 30500, but the small number of these students that have taken BTNY 30500 in the past 5 years have extensive experience in plant identification, so exceptions will not be a problem.

Proposed Change: The current course description: The principles of classification of seed plants, with emphasis on methods of identification in laboratory and field. Requires class trips. Students will pay individual lodging or meal expenses when necessary

Proposed update to the course description: "This course focuses on the systematics and evolution of land plants, with an emphasis on plant identification in both laboratory and field. Topics covered include the diversity and evolution of land plants, plant systematics and biogeography. This is a lab and field intensive course consisting of multiple field trips and hands-on laboratories. Students will master the skills required for plant identification anywhere in the world."

Justification: The previous description was minimal and inaccurate (regarding lodging and meal expenses). No change in course content is occurring.

Expected Impact to other Programs: None, the change will only provide a more accurate description of the course in the catalog

FNR 35500 Quant Methods Res Mgrs

From:

FNR 35500 Quant Methods Res Mgrs

Prerequisites: (Undergraduate level FNR 21000 Minimum Grade of D- **or Undergraduate level NRES 21000 Minimum Grade of D-**) and Undergraduate level FNR 35300 Minimum Grade of D-

To:

FNR 35500 Quant Methods Res Mgrs

Prerequisites: (Undergraduate level FNR 21000 Minimum Grade of D- **or Undergraduate level ILS 25000 Minimum Grade of D-**) and Undergraduate level FNR 35300 Minimum Grade of D-

Justification: Adding a new equivalent course, ILS 25000, as an option to the prerequisites. NRES 21000 is no longer being taught.

FNR 35910

From:

FNR 35910 – Spatial Ecology

Prerequisites: (Undergraduate level FNR 21000 Minimum Grade of C- **or Undergraduate level NRES 21000 Minimum Grade of C-**) and (Undergraduate level MA 16010 Minimum Grade of C- or Undergraduate level MA 16500 Minimum Grade of C-)

To:

FNR 35910 - Spatial Ecology

Prerequisites: (Undergraduate level FNR 21000 Minimum Grade of C- **or Undergraduate level ILS 25000 Minimum Grade of C-**) and (Undergraduate level MA 16010 Minimum Grade of C- or Undergraduate level MA 16500 Minimum Grade of C-)

Justification: Adding a new equivalent course, ILS 25000, as an option to the prerequisites. NRES 21000 is no longer being taught.

FNR 35950 Spatial Ecology Laboratory

From:

FNR 35950 – Spatial Ecology Laboratory

Prerequisites: Undergraduate level FNR 21000 Minimum Grade of C- and Undergraduate level MA 16010 Minimum Grade of C-

To:

FNR 35950 - Spatial Ecology Laboratory

Prerequisites: (Undergraduate level FNR 21000 Minimum Grade of C- **or Undergraduate level ILS 25000 Minimum Grade of C-**) and Undergraduate level MA 16010 Minimum Grade of C-

Justification: Adding a new equivalent course, ILS 25000, as an option to the prerequisites.

FNR 49900 Thesis**From:**

FNR 49900 Thesis

To:

FNR 49900 Thesis - [variable-title course](#)

Justification: This will allow student's transcript to show the thesis title.

FNR 53500 Forest Regeneration**From:**

FNR 53500 – Forest Regeneration

Prerequisites: GR-FNR 53500 Requisites

General Requirements: Student Attribute: GR May not be taken concurrently or Course or Test: BTNY 11100 Minimum Grade of D- ; May not be taken concurrently and Course or Test: FNR 33900 Minimum Grade of D- May not be taken concurrently.

To:

FNR 53500 – Forest Regeneration [and Restoration](#)

Prerequisites: [Instructor Permission](#).

Justification: Title change was based on instructor preference. In the future, this course will only be offered as online, and the instructor would like to open it more students. He needs to assure that students have taken at least an introductory course in ecology, botany, natural resources, forestry, or agriculture.

HORT 21200 Greenhouse and Landscape Fundamentals for Educators

Proposed Change: Remove cross-listed course ASEC 21200; add requisite. Prerequisite: HORT 10100.

Justification: ASEC decided to drop cross-list. Instructor no longer has a split appointment in ASEC. HORT 10100 has always been a prerequisite for ASEC 21200. Making it official for the catalog.

Expected Impact to other Programs: None.

LA 21600 Landscape Architectural Design I

Proposed Change: Studio I: Foundational Design

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None.

LA 22600 Landscape Architectural Design II

Proposed Change: Studio II: Site Analysis and Design

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None.

LA 22700 Creating Ecologically Connected Landscapes

Proposed Change: 1. Title Change: Studio III: Planting Design. 2. Add LA 22600 Studio II: Site Analysis and Design as part of the existing prerequisite sequence. 3. Increase credits from 3 to 4.

Justification: 1. To make the topics of the course more visible to students, advisors, and faculty in the course catalog. 2. LA 22600 content will better prepare students for Studio III: Planting Design. 3. Increasing design studio schedule.

Expected Impact to other Programs: None

LA 24600 Site Systems I

Proposed Change: 1. Title Change: Site Engineering: Earthwork and Stormwater. 2. New Course Description: Earthwork, grading, surface drainage and storm water management. Properties of contour lines and topographic representation. Standards for grading practices, notation and nomenclature. Methods for calculating volumes of cut and fill.

Justification: 1. To make the topics of the course more visible to students, advisors, and faculty in the course catalog. 2. New course description: Description updated to go with the new course title.

Expected Impact to other Programs: None

LA 31600 Landscape Architectural Design III

Proposed Change: 1. Title Change: Studio IV: Park and Open Space Design.

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None

LA 32500 Planting II: Ecological Landscape Performance

Proposed Change: 1. Title Change: Ecological Landscape Performance and Planting

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None

LA 32600 Landscape Architectural Design I

Proposed Change: 1. Title Change: Studio V: Community Design and Planning

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None

LA 34600 Site Systems II

Proposed Change: 1. Title Change: Site Engineering: Materials and Construction. 2. New Course Description: Properties of hardscape materials, their methods of detailing and specification. Introduction to masonry, wood and site furnishings. Design of pavements, walls, steps, ramps and other common site elements. Standards and methods of detailing and notation are presented in small-format exercises. 3. Increase credits from 3 to 4.

Justification: 1. & 2. To make the topics of the course more visible to students, advisors, and faculty in the course catalog. 3. Increase credit to bring in line with other two site engineering courses in the course sequence.

Expected Impact to other Programs: None.

LA 35600 Site Systems III

Proposed Change: 1. Title Change: Site Engineering: Construction Documents and Advanced Systems

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None

LA 41600 Landscape Architectural Design V

Proposed Change: 1. Title Change: Studio VI: Urban Design

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None

LA 42600 Capstone In Landscape Architecture

Proposed Change: 1. Title Change: Studio VII: Landscape Architecture Capstone

Justification: To make the topics of the course more visible to students, advisors, and faculty in the course catalog.

Expected Impact to other Programs: None

LA 50100 Research Methods For Design Applications

Proposed Change: Increase credits from 1 to 2.

Justification: Additional credit hour will allow students to explore the use of GIS data in preparing capstone project research.

Expected Impact to other Programs: None

College of Agriculture
2023 December Graduation Candidate Roster
As of November 22, 2023

Subject to the approval of the Agricultural Faculty, the following graduation candidates who complete degree requirements during the current semester will be recommended to the Board of Trustees to receive their degrees as of December 17, 2023. Also, the Dean of Agriculture, or his designee shall be authorized to act for the faculty regarding the certification of qualified candidates.

Name	Degree	Major	Conc 1	Minor 1	Minor 2	Minor 3
Archibald, Isaac A.	BS	SUAS	AMGT	FARM		
Adou, Bouagnan F.	BS	APAE	AGEC			
Anderson, Katelyn E.	BS		INAG	ANSC		
Archibald, Isaac A.	BS	AMGT	SUAS	FARM		
Ayala, Angie E.	BS		WLDL			
Barahona Rosales, Jason R.	BS		INAG			
Beard, Corbin S.	BS		ASM			
Beck, Cale D.	BS	ANAG	ASCI			
Beebe, Ireland E.	BS	WTMG	NREV			
Benedict, Francesca C.	BS	AMGT	SUAS	FDAG		
Bloom, Emily E.	BS	ANAG	ASCI	FDAG		
Bockmon, Dani A.	BS		INAG	WLFS		
Boyles, Tristan E.	BS		INAG	WLFS		
Bradin, Megan F.	BS		BCHM			
Bramel, Carley M.	BS	ENQR	NREV			
Brandt, Austin J.	BS	AGMG	AGBS	FARM		
Braun, Olivia I.	BS	ANAG	ASCI			
Brunswick, Charles E.	BS	ANAG	ASCI	FDAG		
Callaway, Morgan L.	BS	PROD	ASCI			
Capozzi, Emilia M.	BS	PRMD	ASCI			
Cintron, Dulce Q.	BS	PRMD	ASCI			
Couch, Kaylyn R.	BS	AMGT	SUAS			
Crowe, Hannah A.	BS	PROD	ASCI			
Currie, Samantha R.	BS	PRMD	ASCI			
Denham, Tanner R.	BS	AGMG	AGBS	FARM		
Deppe, Samantha J.	BS		AGED			
Doelman, Natalie	BS	FMRK	AGBS	GFAS		
Esser, Lillian K.	BS	ANAG	ASCI	FDAG	SPRO	
Fahrner, Eleanor F.	BS	SUSC	NREV			
Farrer, Bailey A.	BS	ANAG	ASCI			
Flanders, Andrew C.	BS		ASM			
Ford, Ally J.	BS	BISC	ASCI			
Frederick, Jared C.	BSAGE		ENRE	NAVL		

Glassing, Rielly W.	BS	AGMG	AGBS			
Goebel, Andrew J.	BS	AMGT	SUAS	ASM		
Goodman, Kinzey R.	BS	AGFN	AGBS			
Grimes, Ashby B.	BS		INAG	HORT		
Hackett, Christian L.	BS	AGMG	AGBS			
Hackett, Christian L.	BS		ASM			
Hajek, Chelsea J.	BS	PROD	ASCI			
Harris, Christine N.	BS	PRMD	ASCI			
Harwood, Abbey N.	BS	PROD	ASCI			
Hauke, Samantha J.	BS	PROD	ASCI	WLFS		
Hauser, Olivia D.	BS	BISC	ASCI			
Huelsenbeck, Rebekah L.	BS		INAG	FARM	FDAG	ASM
Hutsell, Katelynn R.	BS	BEHV	ASCI			
Jennings, Kathryn A.	BS	PROD	ASCI	FARM		
Johnson, Jonah T.	CERT		IDSL			
Jones, Colleen M.	BS	AGMG	AGBS			
Jones, Royce D.	BS	AGMG	AGBS	COMU		
Kabat, Lily A.	BSBE	CBOE	BIEN	BTCH		
Kaser, Ethan D.	BS		PLSC	ENGL		
Keenan, Kyra R.	BSBE	CBOE	BIEN	ARTS	BTCH	
Key, Kloe R.	BS	AMGT	SUAS			
Kinnevan, Evan S.	BS		WLDL			
Kraus, Rachel A.	BS		WLDL	AQSC	FOEC	
Langer, Marissa M.	BS		WLDL	FOEC		
Lee, Adam M.	BS		INAG	BIOS	ANSC	
Lightner, Sarah E.	BS	ENPE	NREV			
Livingston, Andrew A.	BSLA		LARC			
Lowery, Reanna N.	BS		AGED	POL		
Lund, Allison M.	BS		AGCM	CRPS		
McGiffen, Sydney B.	BS		SLMK	CRPS		
McGraw, Mallori A.	BS		AGCM			
Meer, Caroline E.	BS	PROD	ASCI			
Merritt, Jill A.	BS	BISC	ASCI			
Mettler, Trey R.	BS	AMGT	SUAS	FDAG		
Mickle, Makayla A.	BS	AGMG	AGBS	FARM		
Moore, Raven	BS		WLDL	NREV		
Moulton, Shaylin R.	BS		SLMK	HORT		
Nagel, Ryan N.	BS	AMGT	SUAS			
Ochoa, Amanda R.	BS		WLDL	AQSC		
Ogilvie-Russell, George W.	BS		IBIO	DDAG		
Orozco, Miguel	BS	AGMG	AGBS			
Ostapow, Paul J.	BS	AGMG	AGBS	FARM		
Otto, Megan L.	BS	PRMD	ASCI	BIOS		
Pace, Tatum S.	BS		WLDL	AQSC		
Paeth, Sierra M.	BS	AGMR	AGBS			
Peila, Elizabeth R.	BS	APAE	AGEC	GFAS	FDAG	
Perkins, Michael T.	BS		ASM			

Pilarski, Alexander J.	BS	ENQR	NREV			
Pinkerton, Taylor P.	BS		SLMK			
Powers, Tessa L.	BS	PRMD	ASCI			
Reboulet, Corrin N.	BS		FARM			
Reiger, Grace E.	BS	AGMG	AGBS	EMM		
Riester, Baylee M.	BS		PLSC	HORT		
Robison, Kyle A.	BSLA		LARC			
Sammons, Kelly E.	BS		PLSC			
Schaller, Samuel D.	BS		ASM	FARM	FDAG	CRPS
Schmeichel, Courtni L.	BS	PRIN	ASCI			
Schuman, Sarah M.	BS	CMRK	AGBS			
Schwab, Sarah E.	BS	PROD	ASCI	FARM		
Schwab, Terrill D.	BSAGE		XEAG			
Scobie, Wesley E.	BS	AGMG	AGBS	CRPS		
Shah, Deep	BS	APAE	AGEC			
Shelton, Tucker D.	BS		IBIO	WLFS	FRSC	
Smith, Mackenzie C.	BS		SLMK			
Stoner, Ruth R.	BS		AGED	HORT		
Stuber, Jade E.	BS		WLDL	LAWS		
Talbott, Delilah D.	BS		PLSC			
Tao, Jianxiang	BSAGE		ENRE	DDAG	CS	
Thom, Abigail J.	BS	ANAG	ASCI	FDAG		
Thomlison, Summer L.	BS	BISC	ASCI			
Tom, Keegan A.	BS	AGMG	AGBS			
Turner, Isabel	CERT		DSPG			
Turner, Isabel	BS	PRMD	ASCI			
Upatising, Varisra	BS	BISC	ASCI			
Urban, Surena M.	BS	BEHV	ASCI	PSY		
Van Ness, Richard J.	BS	AGMG	AGBS			
Waltz, Pattsie K.	BS	BEHV	ASCI	BIOS		
Warren, Victoria A.	BS	ANAG	ASCI			
Wasson, Halle M.	BS	AGMG	AGBS			
Watson, Alexandra L.	BS	ENQR	NREV			
Wendel, Emily K.	BS	HPMK	HOSC	FDAG	CRPS	
Wenger, Aubrey C.	BS	ANAG	ASCI			
Wetterau, Lauren M.	BS		WLDL			
Whitehead, Ruth E.	BS	AMGT	SUAS			
Wilson, Lucas G.	BS		WLDL	FOEC		
Winger, Jacob O.	BS		TMGT	CRPS		
Wischmeier, Libby E.	BS		SLMK	HRMM		
Wong, Carter J.	BS		WLDL			
Workman, William B.	BS	BISC	ASCI			
Zelt, Elizabeth M.	BSAGE		XEAG	ANSC		
Zhou, Xinyi	BSAGE		XEAG			
Zhu, Zhangyue	BS	ENQR	NREV			