EPC 30 Day Clock Memo

TO: All Faculty

FROM: Educational Policies Committee SUBJECT: Notice of Curriculum Changes

DATE: November 16, 2018

The 30 day review period begins November 16, 2018, and ends December 17, 2018

This notice of Curriculum Changes is published as required by the EPC Manual, part of the Faculty Handbook (8th edition). The following paragraph may be found in Section III, Part VI, Section 3, "Procedures Governing Revision of Curriculum and Degree Requirements":

F: Faculty members must submit objections to proposals in writing to the Chair of EPC within 30 days from the date listed on the 30-day Notice of Curriculum Changes distributed by the EPC. Objections received within this 30-day period will suspend approval, pending resolution of the objections. In the event a dispute cannot be resolved, the EPC will make its recommendation to the faculty for action at the next regular faculty meeting.

Complete copies of the proposals may be obtained from the Provost's Office or from Rebekah Mergenthal (History), Chair of the Educational Policies Committee for the 2018-19 academic year. In addition, some proposals may be found online in the EPC section of the Office of the Provost Sakai site, to which all PLU faculty should have access.

Curriculum Changes for Review - Summary

- **Biology** Modify prerequisite
- Business Change program & major name, modify courses
- Education Add GenEd Element
- Kinesiology Modify major requirements
- **Mathematics** Modify minor requirements
- Religion & Classics Modify minor requirements
- Theatre & Dance Modify courses and major requirements

Curriculum Changes for Information Only – Summary

- **History** Change course titles, descriptions
- Mathematics Change and delete courses

Curriculum Changes for Review

Deletions are indicated by strikethrough | Additions are indicated in **bold**

BIOLOGY

Type 2 – Modify prerequisite

Fall 2019

BIOL 225: Molecules, Cells, and Organisms - NS, SM

An introduction to the concepts and study of the molecular, cellular, and organismal levels of biological organization. Cell structure and function, energy transformation, the central dogma of molecular biology, plant and animal anatomy and physiology, response to environmental changes, plant and animal reproduction, and development. Includes laboratory. Prerequisite: Math placement in MATH 140 or higher; or completion of MATH 115 with a \leftarrow \mathbf{C} or higher. One year of high school chemistry is recommended. (4)

BUSINESS

Type 2 – Change MSMR program and major name, modify courses

Fall 2019

Degree

Old - Master of Science in Marketing Research (MSMR)

New – Master of Science (MS)

Major

Old – Marketing Research

New – Marketing Analytics

Course Changes

BMMR 502: Marketing Strategy

BMMA 502: Marketing Strategy and Consumer Behavior

This course will provide frameworks and tools to solve strategic-level marketing problems.

Emphasis will be on the information needs of senior marketing executives and how marketing research informs marketing decisions. May include a service learning component.

(4)

Key topics in marketing strategy to identify target markets, develop/refine brands, and showcase points of parity and difference. Focuses on the thoughts and emotions of consumers, their behaviors, and their motivations to help implement strategies which are built upon innovative edge consumer behavior models. Practice Focus: In

collaboration with real-world marketing challenges, students apply marketing strategies to help a business/organization improve their market position. (4)

BMMR BMMA 504: Quantitative Marketing Research

BMMR 506: Sampling and Experimental Design

Identification of issues associated with sampling. Will study the various approaches to sampling and experimental design and the application to real world problems. (4)

BMMR BMMA 508: Qualitative Marketing Research
BMMR BMMA 524: Advanced Research Methods
BMMR BMMA 526: Big Data and Digital Analytics
BMMR BMMA 528: Consumer Behavior and Customer Relationship Management (CRM)
BMMR BMMA 530: Data Mining
BMMR BMMA 587: Special Topics in Marketing Research Analytics

BMMR BMMA 587: Special Topics in Marketing Research Analytics BMMR BMMA 588: Special Topics in Marketing Research Analytics BMMR BMMA 589: Special Topics in Marketing Research Analytics

BMMR BMMA 598: Graduate Research Project in Marketing I

Students will work independently with faculty to develop a research proposal and survey design for original research which may be targeted for journal publication. At the end of the term the student will be prepared to begin collecting data for next phase of this project. Prerequisites: BMMR 502, 504, 506, 508. (2)

Application of learned marketing research and analytics skills. Students interact with clients to develop a detailed capstone project proposal with hands-on support from faculty to solve real-world marketing decision problems. Students will complete secondary data and qualitative data collection and analysis thus laying the foundation for quantitative research in Capstone Part II. Option for more theoretical academic capstone project. Field experience in data analytics to include industry site visits. Prerequisites: BMMA 503, 504, 508. (4)

BMMR BMMA 599: Graduate Research Project in Marketing II

Catalog Changes

Master of Science (MS) in Marketing Research (M.S.M.R.) Analytics 38 36 semester hours

Fall Semester

16 semester hours

- BMMA 502: Marketing Strategy (4)
- BMMA 504: Quantitative Marketing Research (4)
- BMMR 506: Sampling and Experimental Design (4)
- BMMA 508: Qualitative Marketing Research (4)
- BMMA 587/588/589: Special Topics in Marketing Analytics (4)
- o January Term
 - 2 4 semester hours
 - BMMA 598: Graduate Research Project in Marketing I (2)(4)
- Spring Semester

16 semester hours

- BMMA 524: Advanced Research Methods (4)
- BMMA 526: Big Data and Digital Analytics (4)
- BMMR 528: Consumer Behavior and Customer Relationship Management (CRM) (4)
- BMMA 530: Data Mining (4)
- BMMA 599: Graduate Research Project in Marketing II (4)

Summer Term

4 semester hours

BMMR 599: Graduate Research Project in Marketing II (4)

EDUCATION

Type 2 – Add Alternative Perspectives GenEd Element to FYEP 190 topic

Spring 2019

EDUC 190: FYEP190: Inquiry Seminar

A four-credit seminar to introduce students to the methods and topics of study within a particular academic discipline or field. Students practice the academic skills that are at the center of the General Education Program. (4)

Topic: FYEP190: #weneeddiversebooks – A

#weneeddiversebooks is part of a larger social movement to increase diverse representation in children's and young adult's (YA) books in the publishing industry. This course draws upon diversity responsive youth literature, reading research, and social media to explore: How is diversity conceptualized in children's and YA literature? What messages are sent

when children do/do not see their lives, experiences, or cultures represented in books? How does access (provided or limited) to international literature shape children's sense of selves and others in an increasingly global society? How do we locate and identify high quality, diverse children's and YA books in and beyond the United States?

KINESIOLOGY

Type 2 – Delete BIOL 225 from BSK Exercise Science concentration

Fall 2019

Bachelor of Science in Kinesiology Degree (B.S.K.) Major in Kinesiology

Exercise Science Concentration

62 58 semester hours

- o BIOL 205: Human Anatomy and Physiology I (4)
- o BIOL 206: Human Anatomy and Physiology II (4)
- o BIOL 225: Molecules, Cells, and Organisms (4)
- o CHEM 105: Chemistry of Life (4)
- STAT 231: Introductory Statistics (4)
 OR STAT 232: Introductory Statistics for Psychology Majors (4)
- o KINS 277: Foundations of Kinesiology (2)
- KINS 324: Physical Activity and Lifespan (4)
 or KINS 386: Social Psychology of Sport and Physical Activity (4)
- o KINS 380: Exercise Physiology (4)
- o KINS 383: Exercise Testing and Prescription (4)
- o KINS 478: Motor Learning and Human Performance (4)
- o KINS 483: Clinical Management for Special Populations (4)
- o KINS 486: Applied Biomechanics and Kinesiology (4)
- o KINS 495: Internship (4)
- o KINS 499: Capstone: Senior Seminar (4)
- o Elective: 8 semester hours in KINS 300-400 level courses

MATHEMATICS

Type 2 – Modify minor requirements, update catalog entries

Fall 2019

Math Catalog Section

Minors

Actuarial Science

A minimum of 24 semester hours, chosen from the following courses:

- BUSA 302, 304, 335
- ECON 101, 301, 323, 344
- MATH 331, 342, 348, 356, 411
- Also strongly recommended: MATH 253
- At least 12 semester hours must be taken from mathematics and at least 4 semester hours from economics

A maximum of 8 credit hours can simultaneously count towards both an actuarial science minor and a mathematics major. Courses taken for the actuarial science minor cannot be simultaneously used to satisfy a mathematics or statistics minor.

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Statistics

16 semester hours, to include:

- CSCI 120, 133, or 144
- STAT 231, 232, or 233; or MATH/STAT 242
- And at least: 8 additional semester hours of statistics selected from BUSA 467, ECON 344, PSYC 242, MATH/STAT 342, MATH/STAT 348.
 (Additional courses may be approved by the chair of the Department of Mathematics. See the Statistics section of this catalog for more details.)

Statistics courses taken for the statistics minor may not be simultaneously counted as elective credit for a bachelor of science major in mathematics, or mathematics education. The statistics minor is administered by the Department of Mathematics. For information, contact the chair of the Department of Mathematics.

A maximum of 8 credit hours can simultaneously count towards both a statistics minor and a mathematics major. Courses taken for the statistics minor cannot be simultaneously used to satisfy a mathematics or actuarial science minor.

Statistics Catalog Section

Minor

16 semester hours, including:

- CSCI 120**, 133,** or 144
- STAT 231, or 232, or 233; or MATH/STAT 242
- At least 8 additional hours of statistics selected from:
 - BUSA 467, ECON 344, PSYC 242, MATH/STAT 342, MATH/STAT 348. (Additional courses may be approved by the chair of the Department of Mathematics.)
- And at least: 8 additional semester hours of statistics selected from BUSA 467, ECON 344, PSYC 242, MATH/STAT 342, MATH/STAT 348.
 (Additional courses may be approved by the chair of the Department of Mathematics.)

A maximum of 8 credit hours can simultaneously count towards both a statistics minor and a mathematics major. Courses taken for the statistics minor cannot be simultaneously used to satisfy a mathematics or actuarial science minor.

RELIGION & CLASSICS

Type 2 – Delete elective from Early Christian Studies minor, update catalog entry Fall 2019

Early Christian Studies Minor 16-24 semester hours

The minor in Early Christian Studies combines courses in Classics, Classical History, and Religion through which students will learn about the language, culture, history, and beliefs of the earliest Christians. The program is designed to be interdisciplinary and flexible. In consultation with the program director of Classics and the chair of Religion, a student may elect a course or courses not on the following curriculum. At least two courses (8 semester hours) must be from upper division courses (300 level or above). The minor requires the completion of Greek or Latin 111-112 or its 111 and 112 or their equivalent. Students who are considering entering a seminary are strongly encouraged to take Greek.

• CLAS/HIST 322 Roman Civilization (4)

- Three courses (12 hours) from the following list. Students are recommended to choose courses in consultation with the chair of Religion to create a course of study that best fits their goals.
 - o RELI 212: Religion and Literature in the New Testament (RC)
 - o RELI 220: Early Christianity (RC)
 - RELI 222: Medieval Christianity (RC)
 - o RELI 331: New Testament Studies (RC)
 - o RELI 332: Jesus and His Early Interpreters (RC)
- The following courses may also contribute to satisfying 12 credits in Religion when approved by the chair of Religion
 - o RELI 213: Topics in Biblical Studies (RG)
 - o RELI 214: Topics in Biblical Studies (RC)
 - o RELI 341/361: Church History Studies (RC) (when approved by chair of Religion)
 - o RELI 390: Topics in Comparative Religion (RG) (when approved by chair of Religion)
 - o Another course approved by the chair of Religion
- Proficiency in Greek or Latin through the elementary level, or the equivalent (may be met by examination or by earning a "P" or better in GREK 111-112 111 and 112 or LATN 111-112 111 and 112, or the equivalent in transfer credit).
- In addition, students may not apply more than two courses (8 semester hours) from all other major or minors.

THEATRE & DANCE

Type 2 – Modify courses and requirements

Fall 2019

Course Changes

THEA 200: Theatre Rehearsal and Performance

Students perform, design, or work backstage on in a specific faculty-directed production. Repeatable for a maximum of 12 semester hours. (0) (0-4)

THEA 225: Theatre Practicum Running Crew I

A practicum course, students apply classroom theory to practical application through performing, designing and/or working backstage or in production shops in on a faculty-directed productions to learn about and execute beginning and intermediate-level running crew assignments. Repeatable for a maximum of 4 8 semester hours. Graded Pass/Fail. (1)

THEA 425: Theatre Practicum Running Crew II

A practicum course, students apply advanced classroom theory to advanced practical application through performing, designing, working backstage and/or in production shops in on a faculty-directed productions to learn about and execute intermediate and advanced-level running crew assignments. Repeatable for a maximum of 4 8 semester hours. (1)

Catalog Changes

Bachelor of Arts (B.A.) Degree

Major in Theatre

44 semester hours, plus a minor

- THEA 160: Introduction to Theatre (4) or THEA 190: FYEP 190: Inquiry Seminar (4)
- THEA 225: Theatre Practicum (2) Running Crew I (4)
- THEA 250: Acting I Fundamentals (4)
- THEA 255: Theatrical Production (4)
- THEA 290: Stage Management (2)
- THEA 299: The Profession of Theatre (2)
- THEA 330: Script Analysis (4) or THEA 345: Playwriting (4)
- 4 semester hours from:
 - o THEA 360: Theatre History I (4)
 - o THEA 362: Musical Theatre History (4)
 - o THEA 365: Theatre History II (4)
- 4 semester hours from:
 - o THEA 252: Fundamentals of Scenic Design (4)
 - THEA 254: Fundamentals of Lighting Design (4)
 - o THEA 285: Costume Crafts and Construction (4)
 - o THEA 351: Stage Makeup (4)
 - o THEA 355: Lighting Design (4)
 - o THEA 380: Directing I (4)
 - o THEA 390: Visual History: Period Costume and Décor (4)
 - o THEA 453: Costume Design (4)
 - o THEA 455: Scenic Design (4)
- THEA 425: Theatre Practicum (2) Running Crew II (4)
- THEA 485: Theatre Management (2)
- THEA 499: Capstone (2)
- Electives: 8 4 semester hours selected in consultation with advisor
- Minor Required: recognized university minor

Bachelor of Fine Arts (B.F.A.) Degree Major in Theatre 80 semester hours

Concentrations

Acting/Directing

- THEA 160: Introduction to Theatre (4) or THEA 190: FYEP 190: Inquiry Seminar (4)
- 4 semester hours from:
 - o DANC 170: Introduction to Dance (4)
 - o DANC 222: Jazz I (1)
 - o DANC 251: Ballet I (2)
 - o DANC 252: Contemporary I (2)
 - o DANC 254: Tap I (1)
 - o DANC 255: Hip Hop I (1)
- THEA 215: Voice and Movement I (4)
- THEA 225: Theatre Practicum (2) Running Crew I (3)
- THEA 250: Acting I Fundamentals (4)
- THEA 255: Theatrical Production (4)
- THEA 290: Stage Management (2)
- THEA 299: The Profession of Theatre (2)
- THEA 300: Improvisation (2)
- THEA 330: Script Analysis (4) or THEA 345: Playwriting (4)
- THEA 346: The Audition (2)
- THEA 350: Acting II Scene Study (4)
- 4 semester hours from:
 - o THEA 360: Theatre History I (4)
 - o THEA 362: Musical Theatre History (4)
 - THEA 365: Theatre History II (4)
- 4 semester hours from:
 - o THEA 252: Fundamentals of Scenic Design (4)
 - o THEA 254: Fundamentals of Lighting Design (4)
 - THEA 285: Costume Crafts and Construction (4)
 - o THEA 351: Stage Makeup (4)
 - o THEA 355: Lighting Design (4)
 - o THEA 390: Visual History: Period Costume and Décor (4)
 - o THEA 453: Costume Design (4)
 - o THEA 455: Scenic Design (4)
- THEA 380: Directing I (4)
- THEA 425: Theatre Practicum (2) Running Crew II (3)
- THEA 450: Acting III Styles (4) or THEA 480: Directing II (4)

- THEA 485: Theatre Management (2)
- THEA 499: Capstone (2)
- Elective: 20 18 semester hours selected in consultation with advisor

Design/Technical

78-80 semester hours

- 4 semester hours from:
 - o ARTD 101: Drawing I (4)
 - o ARTD 102: 2D Design/Color Theory (4)
 - o ARTD 202: 3-D Design (4)
- THEA 160: Introduction to Theatre (4) or THEA 190: FYEP 190: Inquiry Seminar (4)
- THEA 225: Theatre Practicum (2) Running Crew I (6)
- THEA 250: Acting I Fundamentals (4)
- THEA 255: Theatrical Production (4)
- 2-4 semester hours from:
 - o THEA 260: Stagecraft (2)
 - o THEA 275: Scenic Painting (2)
 - o THEA 285: Costume Crafts and Construction (4)
- THEA 279: Hand Drafting (2)
- THEA 280: Computer-Aided Drafting (2)
- THEA 290: Stage Management (2)
- THEA 299: The Profession of Theatre (2)
- THEA 330: Script Analysis (4) or THEA 345: Playwriting (4)
- 16 semester hours from:
 - o THEA 252: Fundamentals of Scenic Design (4)
 - THEA 254: Fundamentals of Lighting Design (4)
 - o THEA 351: Stage Makeup (4)
 - o THEA 355: Lighting Design (4)
 - o THEA 388: Special Topics in Theatre (2)
 - o THEA 389: Special Topics in Theatre (2)
 - o THEA 390: Visual History: Period Costume and Décor
 - o THEA 453: Costume Design (4)
 - THEA 455: Scenic Design (4)
- 4 semester hours from:
 - o THEA 360: Theatre History (4)
 - o THEA 362: Musical Theatre History (4)
 - o THEA 365: Theatre History II (4)
- THEA 425: Theatre Practicum (2) Running Crew II (6)
- THEA 485: Theatre Management (2)
- THEA 499: Capstone (2)
- Electives: 20 12 semester hours selected in consultation with advisor

Curriculum Changes for Information Only

Deletions are indicated by strikethrough | Additions are indicated in bold

HISTORY

Type 1 – Change course titles, descriptions

Fall 2019

HIST 107: Western Civilizations – SO HIST 107: Ancient Near East – SO

Surveys the history of western civilizations from ancient Mesopotamia to medieval Europe. Major themes include empire building, religion, law, art, and literature. Students learn to investigate historical problems, use sources, and write historical essays. Civilizations include ancient Sumer, Egypt, Israel, Persia, Greece, Rome, Byzantium, Islamic eivilization, and early medieval Europe. (4)

Surveys the history of the ancient Near East and Mediterranean regions, including ancient Sumer, Egypt, Israel, Persia, Greece, and Rome. Major themes include empire building, religion, law, art, and literature. Students learn to investigate historical problems, use sources, and write historical essays. (4)

HIST 247: American Business and Economic History, 1877 to Present - SO

HIST 247: U.S. Capitalism: From Railroads to Netflix – SO

Surveys the history of American business and the economy from the rise of big business and labor unions after the American Civil War through the era of globalization. Topics include technological change, government regulation, business organization, economic thought, business ethics, the role of the entrepreneur, and the place of women and minorities in American business society. (4)

HIST 324: The Italian Renaissance - SO

HIST 324: Medici Florence: Artists, Merchants, Innovators – SO

Political, cultural, and religious developments in Renaissance Italy from the formation of the Italian communes (c. 1200) to the death of Michelangelo (1564). Central themes include the development of merchant societies, Dante's Divine Comedy, Humanism, the Italian Wars, and the painting of Giotto, Masaccio, Botticelli, and Leonardo da Vinci. Prerequisite: Sophomore standing or consent of instructor. (4)

This course investigates the political, cultural, economic, and technological developments that made the Italian city of Florence a center of the European Renaissance (c.1300-1600). We will examine how Florence grew from a modest commune into a powerful republic at the forefront of the commercial revolution; follow the rise and fall of merchant-banking families like the Medici, whose

patronage funded numerous artists, writers, and innovators like da Vinci, Machiavelli, and Galileo; and assess the impact of wars, religious reformations, and exploration in the fluctuating fortunes of this unique city. Prerequisite: Sophomore standing or consent of instructor. (4)

MATHEMATICS

Type 1 – Delete courses, change descriptions

Fall 2019

Course Changes

MATH 348: Statistical Computing and Consulting

Topics include **qualitative data analysis, as well as** the use of R statistical software to create data visualizations and to conduct, present, and interpret statistical analyses such as multiple regression and nonlinear (e.g. logistic) regression. Students will learn about issues that arise when working with real data such as data cleaning, data preparation, ethical guidelines for statistical practice, and the logical connections between study design and the appropriate inferences that can be made. Statistical consulting strategies and communication of statistical ideas to nonstatistical clients will guide the course topics as students perform consulting services for peers, and faculty, and/or the surrounding community. Crosslisted with STAT 348. Prerequisite: CSCI 133, 144, or MATH 151, and one of MATH/STAT 145, 242, STAT 231, 232, or 233. Strongly recommended: Prior experience with the programming languages R or Python. (4)

MATH 411: Mathematics of Risk

This non-GenEd course introduces students to the mathematics underpinning financial investment in the presence of uncertainty. Students will investigate and employ probability models to assign values to individual financial instruments and to portfolios over short—and long-term time frames. Both analytic solutions and numerical solutions via software will be developed. Case studies will play a role in the course. Prerequisites: MATH 152, 242 and 342; ECON 101 or 301; BUSA 335; or consent of the instructor. Will not be offered after Spring 2019. (4)

MATH 495A: Financial Mathematics Internship - SR

A research and writing project in conjunction with a student's approved off-campus activity. An oral presentation comparable in length with those required for MATH 499 is obligatory. Prerequisites: senior (or second semester junior) financial mathematics major, and approval from the department prior to the commencement of the internship. (2 to 4)

STAT 348: Statistical Computing and Consulting

Topics include **qualitative data analysis, as well as** the use of R statistical software to create data visualizations and to conduct, present, and interpret statistical analyses such as multiple regression and nonlinear (e.g. logistic) regression. Students will learn about issues that arise when working with real data such as data cleaning, data preparation, ethical guidelines for statistical practice, and the logical connections between study design and the appropriate inferences that can be made. Statistical consulting strategies and communication of statistical ideas to nonstatistical clients will guide the course topics as students perform consulting services for peers, and faculty, and/or the surrounding community. Crosslisted with MATH 348. Prerequisite: CSCI 133, 144, or MATH 151, and one of MATH/STAT 145, 242, STAT 231, 232, or 233. Strongly recommended: Prior experience with the programming languages R or Python. (4)

Catalog Changes

Bachelor of Science Degree

44-53 semester hours

Major in Mathematics

40-44 semester hours of mathematics, plus 8 to 13 semester hours of supporting courses

- Required: MATH 151, 152, 242, 253, 317, 331, 433, 455, 499A, 499B
- 8 semester hours from:
 - o MATH 321, 342, 348, 351*, 356, 381, 411, 480
 - PHYS 354*

(*Only one course from either MATH 351 or PHYS 354 may be used.)

 Required supporting: CSCI 144 and one of the following: CSCI 371; ECON 345; PHYS 153/163

Minors

Actuarial Science

A minimum of 24 semester hours, chosen from the following courses:

- BUSA 302, 304, 335
- ECON 101, 301, 323, 344
- MATH 331, 342, 348, 356, 411
- Also strongly recommended: MATH 253
- At least 12 semester hours must be taken from mathematics and at least 4 semester hours from economics

Course Offerings by Semester/Term

- Fall Semester: 105/107*, 115, 123, 124, 128, 140, 151, 152, 242, 253, 317, 331, 433, 446, 499A
- January Term: 105/107*, 203, 381
- Spring Semester: 105/107*, 115, 123, 124, 128, 140, 145, 151, 152, 245, 253, 317, 321, 331, 342, 348, 351, 356, 411, 455, 480, 499B
- Odd Years Only: 203, 348, 480Even Years Only: 342, 356, 446

^{*}At least one section of 105 and at least one section of 107 are offered each academic year.