

# Addendum

## 2016-17 Catalog

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### Deletion:

The deletion of the Eden Hall Experience requirement was approved in April 2017.

Students who have not met the requirement, but are under an academic catalog that contains the requirement, are exempted from meeting the requirement.

### Correction:

On the Degrees page, the year should read “**2016-17**”

### Catalog Error

On this page of the 2016-17 catalog

<https://wayback.archive-it.org/8428/20170203221321/http://falk.chatham.edu/programs/msus/>

The curriculum page should have been updated to reflect these updates approved in May of 2016.

### MSUS Master of Sustainability

The Master of Sustainability is a full-time, cohort-based program. Students are encouraged to complete core coursework along with the cohort they join.

To fulfill the requirements for the Master of Sustainability degree program, students must successfully complete a minimum of 43 hours total credit hours, which include:

- 25 credit hours of core courses, including thesis and internship credits

- 18 credit hours of elective courses

**Core Courses (total 25 credits)**

SUS 502 Sustainability and Systems (3)  
SUS 504 Foundations of Sustainability (3)  
SUS 601 Applied Ecology (3)  
SUS 602 The Political Economy of  
Sustainability (3) SUS 603 Sustainability:  
Ethics, Equity, Justice (3)

SUS 621 Applied Methods (2)  
SUS 697 Thesis Practicum (1)  
SUS 698 Final Project/Thesis (1)  
SUS 699 Advanced Seminar in  
Sustainability (3) SUS 693 Internship  
(3)

**Elective courses (total 18, of which, 3 should be a methods class from**

**the list below) Methods electives (3 credits)**

FST 621 Applied Methods  
(various) (1) FST 522 GIS: Food  
and Agriculture (3) SUS 683  
Special Topics: Statistics (3)  
FST 600 Oral History Intensive (1)  
SUS 562 Economics of the  
Environment (3) SUS 516  
Sustainable Decision Analysis (3)  
SUS 580 Sustainable Behavior Change (3)  
BIO 532 Biostatistics (3)  
BIO 623 Methods of Biological Research (1)  
COM 525 Communications Research and  
Theory (3) PSY 555 Statistics and Research  
Methods (3)  
ENG 582 The Craft of Creative Non-  
Fiction (3) FST 575 Field Ecology (3)  
FST 613 Community Research: Food and  
Health (1) SUS 623 Applied Ecology  
Seminar (1)  
SUS 581 Entrepreneurial Alternatives (3)

**General electives (15 credits)**

SUS 614 Film and Sustainability (2)  
SUS 610 Communicating  
Sustainability (3) SUS 590 Careers  
in Sustainability(3)  
SUS 625 Restorative Economic  
Justice (3) SUS 562 Economics of  
the Environment (3)

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SUS 521 Ecotoxicology and Environmental Health (3) SUS 526 Sustainable Aquaculture (3)  
 SUS 580 Sustainable Behavior Change (3)  
 SUS 581 Entrepreneurial Alternatives (3)  
 SUS 606 Urban Planning and Political Ecology (3) SUS 607 Applied Green and Social Innovation (3) SUS 683 Special Topics (3)  
 SUS 605 Leadership for Transitions to Sustainability (3) SUS 611 Decision Making Under Uncertainty (3)  
 SUS 621 Applied Methods (1)  
 SUS 640 Sustainable Community Development (3)  
 SUS 682 Special Topics (2)  
 BUS 575 Leading Organizations and Projects (3) BUS 576 Sustainable Human Capital (3)  
 BUS 641 Sustainable Supply Chain Management (3) FST 508 Food Systems (2)  
 FST 509 Food Access (3)  
 FST 520 Basic Agroecology (3)  
 FST 520L Growing SustainablyLab (3) LAR 643 Urban Design (3)  
 LAR 534 Soil Science (3)  
 FST 528 Tree Care (2)  
 FST 513 Food, Labor and Inequality (3) FST 575 Field Ecology (3)  
 FST 683 Special Topics (3)  
 FST 609 Dairy: From Pasture to Plate (3) FST 603 Food Journeys (3)  
 FST 607 Sustainable Consumption (3)

**Master of Sustainability: Revised Degree Checklist – Intake 2016**

| <b>REQUIRED Core Courses (31 credits)</b> |  |                                      | <b>semester</b> |              |
|---|--|--------------------------------------|-----------------|--------------|
| <b>Semester</b>                           | <b>Course Number/Title</b>                                 |                                      | <b>taken</b>    | <b>Grade</b> |
| <b>Fall ONE</b>                           | <b>SUS 621 Applied Methods (2)</b>                         |                                      |                 |              |
|   | <b>SUS 502 Sustainability and Systems (3)</b>              |                                      |                 |              |
|   | <b>SUS 504 Foundations (3)</b>                             |                                      |                 |              |
|   | <b>SUS 601 Applied Ecology (3)</b>                         | <i>(can also be taken in Fall 2)</i> |                 |              |
|   |  | <i>(elective instead of 601)</i>     |                 |              |
| <b>Spring ONE</b>                         | <b>SUS 603 Sustainability: Ethics, Equity, Justice (3)</b> |                                      |                 |              |
|   |  |                                      |                 |              |

|                   |  |                              |  |  |
|-------------------|--|------------------------------|--|--|
|                   | <b>SUS 602 Political Economy of Sustainability (3)</b> |                              |  |  |
|                   |  | <i>(elective or methods)</i> |  |  |
| <b>SUMMER ONE</b> | <b>SUS 693 Internship (3)</b>                          |                              |  |  |
|                   |  | <i>(elective or methods)</i> |  |  |

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|                   |                                   |                              |  |  |
|-------------------|-----------------------------------|------------------------------|--|--|
|                   |                                   | <i>(elective or methods)</i> |  |  |
| <b>Fall TWO</b>   | <b>SUS 699 Advanced Seminar</b>   |                              |  |  |
|                   | <b>SUS 697 Thesis Practicum</b>   |                              |  |  |
|                   |                                   | <i>(elective or methods)</i> |  |  |
|                   |                                   | <i>(elective or SUS 601)</i> |  |  |
| <b>Spring TWO</b> | <b>SUS 698 Thesis Project (1)</b> |                              |  |  |
|                   |                                   | <i>(elective)</i>            |  |  |
|                   |                                   | <i>(elective)</i>            |  |  |
|                   |                                   | <b>TOTAL:</b>                |  |  |

|   |   |  |  |  |
|---|---|--|--|--|
| <b>Electives/ Area of Specialization (15 credits)</b> |   |  |  |  |
|   | SUS 607 Applied Green and Social Innovation (3)                   |  |  |  |
|   | SUS 640 Sustainable Community Development (3)                     |  |  |  |
|   | SUS 526 Sustainable Aquaculture (3)                               |  |  |  |
|   | SUS 521 Ecotoxicology and   |  |  |  |
|   | PSY 645 Environmental Psychology (3)                              |  |  |  |
|   | SUS 605 Leadership for Transitions to Sustainability (online) (3) |  |  |  |
|   | SUS 683 Special Topics: LEED Certification (3)                    |  |  |  |
|   | SUS 619 Water's Edge...   |  |  |  |
|   | LAR 643 Urban Design (3)  |  |  |  |
|   | FST 522 GIS: Food and Agriculture (3)                             |  |  |  |
|   | FST 520/520L Agroecology (3+1)                                    |  |  |  |
|   | FST 683 Travel, Community and Tourism (3)                         |  |  |  |
|   | FST 512 Practical Nutrition (3)                                   |  |  |  |
|   | FST 614 New Product Development (pre-req FST 512 or 513)          |  |  |  |
|   | FST 609 Dairy: From Pasture to Plate (3)                          |  |  |  |

|  |                                      |  |  |  |
|--|--------------------------------------|--|--|--|
|  | FST 603 Food Journeys (3)            |  |  |  |
|  | FST 514 Wines, Cider, and Mead (3)   |  |  |  |
|  | SUS 625 Restorative                  |  |  |  |
|  | SUS 562 Economics of the Environment |  |  |  |
|  | SUS 581 Entrepreneurial Alternatives |  |  |  |

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|                |  |  |  |  |
|----------------|--|--|--|--|
|                | BUS 639 Assessment   |  |  |  |
|                | SUS Sustainable Decision Analysis  |  |  |  |
|                | SUS 683 Special Topics:  |  |  |  |
|                | SUS 562 Sustainable  |  |  |  |
|                | LAR 534 Soil Science   |  |  |  |
|                | FST 528 Tree Care (2)  |  |  |  |
|                | FST 613 Community Research: Food and Health  |  |  |  |
|                | FST 683 Special Topics:  |  |  |  |
|                | FST 513 Applied and Environmental Microbiology   |  |  |  |
|                | FST 622 Advanced New Product Development   |  |  |  |
|                | FST 522 GIS: Food and Agriculture (3)  |  |  |  |
|                | FST 575 Field Ecology (3)  |  |  |  |
|                | FST 683 Orchard Sustainability (2 week field course in Washington)                       |  |  |  |
|                | FST 531 Fermentation (3)   |  |  |  |
|                |  |  |  |  |
| <b>METHODS</b> | <b>3 credits from the list below</b>   |  |  |  |
|                | SUS 511 Research Methods   |  |  |  |
|                | FST 621 Applied Methods (various, 2) including Discourse Analysis, Q Method, Ethnography |  |  |  |
|                | FST 522 GIS: Food and Agriculture (3)  |  |  |  |
|                | SUS 683 Special Topics: Statistics (3)   |  |  |  |
|                | FST 600 Oral History Intensive (1)   |  |  |  |
|                | COMM 515 Communicating Sustainability (3)  |  |  |  |
|                | SUS 562 Economics of the Environment (3)   |  |  |  |
|                | SUS 516 Sustainable Decision analysis (3)  |  |  |  |

|  |   |  |  |  |
|--|---|--|--|--|
|  | SUS 580 Sustainable Behavior Change   |  |  |  |
|  | <b>Any course from PWR</b><br>(Grant Writing, Technical Writing, Web Development, Scientific Writing) |  |  |  |
|  | BIO 532 Biostats (3)  |  |  |  |
|  | BIO 623 Methods of Biological Research (3)  |  |  |  |
|  | COM 525 Communications Research and Theory (3)  |  |  |  |
|  | PSY 555 Stats and Research  |  |  |  |

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|  |   |  |  |  |
|--|---|--|--|--|
|  | Methods (3)                                   |  |  |  |
|  | ENG 582 The Craft of Creative Non Fiction (3) |  |  |  |
|  |   |  |  |  |

**Addendum to Fully Online Undergraduate Degrees**

In accordance with the curricula approved by the faculty, students enrolling in fully online undergraduate degree programs in **Business or Psychology** will complete a 3 credit hour requirement in science.

**Addendum to Master of Physician Assistant Studies**

There were curriculum changes in 2016-17.

During the initial year of the curriculum change, students entering in 2016-17 were permitted to take these former courses: PAS 616, PAS 633 , PAS 634 in place of new courses: PAS 638 and PAS 637 to fulfill the requirements of graduation.

## Correction to PTH curriculum

**The following courses were incomplete, omitted or incorrectly listed in the 2016-17 catalog. These are the correct listings.**

PTH 703; Musculoskeletal Physical Therapy; An integrated approach to the study of all relevant physiologic, anatomic, pathologic, medical and therapeutic concepts related to musculoskeletal physical therapy practice throughout the lifespan. The course includes the physical therapy diagnostic process including differential diagnosis, therapeutic interventions, and patient care program development. The course presents classroom and laboratory experiences building from simple to complex problems to assist the student in developing the competencies necessary for practice as a generalist in physical therapy. Experiences related to psychological, social, cultural, economic, and vocational aspects of illness and disability are included. The course offers learning experiences presented using the problem-based learning approach, organized around the study of body systems, with an orientation toward critical thinking and clinical decision making. Concepts are cumulative throughout the system(s) and continued enrollment depends upon mastery and use of previous concepts. **Prerequisites:** PTH 701, BIO 502 **Credits:** 11

PTH 713: Multi-System Physical Therapy; This problem-based learning course emphasizes the physical therapy management of complex patients across the lifespan who present with pathology affecting multiple body systems. Students utilize advanced clinical decision-making skills and current evidence to evaluate and prioritize interventions when treating the patient as a whole. **Prerequisites:** PTH 708 & PTH 709. **Credits:** 3

BIO 502/ BIO 502L; Human Gross Anatomy/Lab; : An in-depth study of gross human anatomic structure, emphasizing the musculoskeletal and neuromuscular systems through the study of head/neck, trunk, and upper/lower extremities. Clinical correlates examine normal movement and pathological processes. **Prerequisite:** permission of instructor. **Credits:** 4/2

PTH 701; Foundations of Movement Science I; An in-depth analysis of normal and abnormal human motion with an emphasis on biomechanics, gait, tissue adaptation and mechanisms that affect movement. Principles of the physical therapy evaluation process and differential diagnosis along with therapeutic techniques, exercise, and modalities will be introduced. **Prerequisites:** BIO 502, BIO 504, PTH 700. **Credits:** 7

PTH 709; Neuromuscular Physical Therapy; This problem-based course explores the prevention, evaluation and management of neuromuscular system dysfunction throughout the adult life span. Students will build upon concepts from all previous courses to gain a comprehensive understanding of



the multiple complex problems seen in patients with neurologic diagnoses. **Prerequisite(s):** PTH 702 and PTH 707. **Credits:** 9

PTH 724; Research II; The purpose of this course is to offer students the opportunity to enhance their knowledge and skills that are essential to the critical evaluation of the medical literature and the application of research to the practice of physical therapy. **Prerequisite:** PTH 722. **Credits:** 2

PTH 730; Clinical Experience I; This ten (10) week full-time experience is scheduled at the completion of musculoskeletal system coursework. Students will be placed in outpatient facilities or general hospitals with an expectation that students, under the supervision of a licensed physical therapist, will primarily evaluate and treat patients with musculoskeletal conditions. **Prerequisite:** none. **Credits:** 7

PTH 733; Clinical Experience II; A ten (10) week full-time experience scheduled at the completion of didactic and laboratory course work. Students will generally be placed in acute care, acute rehabilitation, skilled nursing, pediatric, sub-acute, outpatient, or home health settings. Students will, under the supervision of a licensed physical therapist, primarily evaluate and treat patients with cardio/pulmonary and neurological conditions. **Prerequisites:** none. **Credits:** 7

PTH 735; Clinical Experience V; A sixteen (16) week full-time experience scheduled at the completion of didactic and laboratory course work. Students will generally be placed in acute care, acute rehabilitation, skilled nursing, pediatric, sub-acute, outpatient, or home health settings. Students will, under the supervision of a licensed physical therapist, primarily evaluate and treat patients with cardio/pulmonary and neurological conditions. **Prerequisites:** None. **Credits:** 12