Welcome to Sunny USF!
Measurement and Research Orientation
2019-2020
Agenda

Welcome
Robert Dedrick, Ph.D., Professor, Program Coordinator

Department of Educational and Psychological Studies
Barbara Shircliffe, Ph.D., Professor, Chair

Faculty Introductions

Staff Introductions: Todd Williams

Student Introductions

PowerPoint Presentation

Questions & Answers
Agenda

Welcome
Robert Dedrick, Ph.D., Professor, Program Coordinator
Department of Educational and Psychological Studies
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Student Introductions

PowerPoint Presentation

Organization of the College

Information about our Program
David C. Anchin Center

https://www.usf.edu/education/faculty/research/anchin/about-anchin/index.aspx
Gus A. Stavros Center

https://www.usf.edu/education/stavros-center/
4 Departments

Barbara Shircliffe
Educational & Psychological Studies (EPS)
EDU 380P

Deanna Michael
Teaching & Learning (#3)

Elizabeth Shaunessy-Dedrick
Teaching & Learning (#4)

Judith Ponticell
Leadership, Counseling, Adult, Career & Higher Education (LCACHE)
Department of Educational & Psychological Studies (EPS)

1. Educational Measurement and Research
2. Educational Psychology
3. Exercise Science
4. Instructional Technology
5. School Psychology
6. Social Foundations
Department of Educational & Psychological Studies

<table>
<thead>
<tr>
<th>Measurement &amp; Research</th>
<th>Exercise Science</th>
<th>Educational Psychology</th>
<th>Instructional Technology</th>
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<td>Robert Dedrick,</td>
<td>Bill Campbell,</td>
<td>Sarah Kiefel,</td>
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<td>Jose Castillo,</td>
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<td>Lisa Cui,</td>
<td>Condi Ashley,</td>
<td>Darlene DeMarco,</td>
<td>Nathan Frid,</td>
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<td>Yu-Lin Chen,</td>
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<td>James Hatten,</td>
<td>Lauren Bransfield,</td>
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<td>Wendy Dickinson,</td>
<td>Mo Chiudini,</td>
<td>Tony Tam,</td>
<td>Sanghoon Park,</td>
<td>Paula Cato,</td>
<td>Brittany Heason,</td>
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<td>Assistant</td>
<td>Instructor II</td>
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<td>Professor</td>
<td>Marcus Kalpatrick,</td>
<td>Glenn Smith,</td>
<td>Barbara Sharchiffe,</td>
<td>Lindsey Offerman,</td>
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<td>Eun Soo Kim,</td>
<td>Nic Martinez,</td>
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<td>Natalie Remer,</td>
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<tr>
<td>Liliana Rodriguez-</td>
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<td>Diana Socie,</td>
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<tr>
<td>Campos, Professor</td>
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<td>Jennifer Wollmann,</td>
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<td>Shaunon Suldo,</td>
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<td>Professor</td>
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<tr>
<td>APS—Academic Program</td>
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<td>Nate von der Emde,</td>
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<tr>
<td>Specialists</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Assistant Professor</td>
</tr>
</tbody>
</table>
Academic Program Specialist

Deana-Kaye Russell: Educational Psychology, Social Foundations
Room EDU 380 S
4-3515
deanakaye@usf.edu

Todd Williams: Measurement & Research, School Psychology
Room EDU 360
4-8351
twwillia@usf.edu
Academic Program Specialist

Heather Van Allen: Exercise Science
Room PED 214
4-3443
hvanallen@usf.edu

Todd Boyd: Instructional Technology
Room EDU 380 N
4-8354
toddboyd@usf.edu
### Staff Contact Information and Responsibilities

#### Department of Educational & Psychological Studies
Chair: Barbara Shircliffe, 813-974-4001, shirclif@usf.edu

#### EPS Departmental Staff Responsibilities

<table>
<thead>
<tr>
<th>Todd Boyd</th>
<th>Deana Russell</th>
<th>Heather Van Allen (75)</th>
<th>Todd Williams</th>
</tr>
</thead>
<tbody>
<tr>
<td>813-974-8354 <a href="mailto:toddboyd@usf.edu">toddboyd@usf.edu</a></td>
<td>813-974-3515 <a href="mailto:deanakave@usf.edu">deanakave@usf.edu</a></td>
<td>813-974-3443 <a href="mailto:hvanallen@usf.edu">hvanallen@usf.edu</a></td>
<td>813-974-8351 <a href="mailto:twwillia@usf.edu">twwillia@usf.edu</a></td>
</tr>
<tr>
<td><strong>Department Payroll</strong></td>
<td><strong>Departmental Logistics Support</strong></td>
<td><strong>Departmental Logistics Support</strong></td>
<td><strong>Department Workload: FAIR/FAR</strong></td>
</tr>
<tr>
<td><strong>Department Appointment Letters</strong></td>
<td><strong>EDU 380T and EDU 255 Lab reservations</strong></td>
<td><strong>Department Office – Walk-ins (common expectations)</strong></td>
<td><strong>Scheduling Measurement Conference Room (EDU 356) and Library</strong></td>
</tr>
<tr>
<td><strong>Department Tuition Waivers</strong></td>
<td><strong>Department - Manage Work Study Students (schedule and evaluation)</strong></td>
<td><strong>PED Building</strong></td>
<td><strong>Department Space Survey</strong></td>
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<tr>
<td><strong>Department Computer Inventory</strong></td>
<td><strong>Department Office – Walk-ins (common expectations)</strong></td>
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<td><strong>Department PERT</strong></td>
<td><strong>Book Store</strong></td>
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Educational Measurement and Research
Faculty

Statistics
Psychometrics
Oscar

Measurement
Design
Bob

Geographic
information systems
(GIS)
David
<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Position</th>
<th>Courses Offered</th>
</tr>
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</table>
| Oscar L. Olvera Astivia | Assistant Professor         | • Statistical Methods  
                          |                                | • Quantitative Research Methods
                          |                                | • Psychometrics                |
| Leia Cain             | Instructor                  | • Classroom Assessment  
                          |                                | • Qualitative methods           |
|                       |                             | • Mixed Methods                                          |
| Yi-hsin Chen          | Associate Professor         | • Item Response Theory  
                          |                                | • Cognitive-psychometric Models |
| Robert Dedrick        | Professor                   | • Measurement                                           |
|                       |                             | • Research Design                                        |
| Wendy Dickinson       | Visiting Assistant Professor| • Classroom Assessment  
                          |                                | • Data Visualization            |
|                       |                             | • Research Design                                        |
## Faculty

<table>
<thead>
<tr>
<th>Name</th>
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<th>Courses</th>
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<tr>
<td>John Ferron</td>
<td>Professor</td>
<td>• Statistical Methods</td>
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<td>• Single-case Methods</td>
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<tr>
<td>Eunsook Kim</td>
<td>Associate Professor</td>
<td>• Statistical Methods</td>
</tr>
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<td>• Research Design</td>
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<tr>
<td>David Lamb</td>
<td>Instructor</td>
<td>• Statistical Methods</td>
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<td>• Geographic information systems (GIS)</td>
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<td>Liliana Rodriguez-Campos</td>
<td>Professor</td>
<td>• Collaborative Evaluation</td>
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<td>• Metaevaluation</td>
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<tr>
<td>Jenni Wolgemuth</td>
<td>Associate Professor</td>
<td>• Research Design</td>
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<td>• Qualitative Research</td>
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# Contact Information for Coordinators/Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Department</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>Robert Dedrick</td>
<td>Program Coordinator</td>
<td><a href="mailto:dedrick@usf.edu">dedrick@usf.edu</a></td>
</tr>
<tr>
<td>John Ferron</td>
<td>Doctoral Program Coordinator</td>
<td><a href="mailto:Ferron@usf.edu">Ferron@usf.edu</a></td>
</tr>
<tr>
<td>Robert Dedrick</td>
<td>Master’s Program Coordinator</td>
<td><a href="mailto:dedrick@usf.edu">dedrick@usf.edu</a></td>
</tr>
<tr>
<td>Liliana Rodriguez-Campos</td>
<td>Director of the Graduate Certificate in Evaluation</td>
<td><a href="mailto:liliana@usf.edu">liliana@usf.edu</a></td>
</tr>
<tr>
<td>Jenni Wolgemuth</td>
<td>Director of the Graduate Certificate in Qualitative Research</td>
<td><a href="mailto:jrwalgemuth@usf.edu">jrwalgemuth@usf.edu</a></td>
</tr>
<tr>
<td>Leia Cain</td>
<td>Coordinator of Undergraduate Assessment (EDF 4430)</td>
<td><a href="mailto:lkacain@usf.edu">lkacain@usf.edu</a></td>
</tr>
</tbody>
</table>
Faculty Affiliates

• Agosto, Vonzell - Narrative inquiry, critical approaches to qualitative research

• Black, William - Critical policy analysis, policy ethnography

• Blank, Jolyn - Case study research, observational methods, analyzing talk

• Braun, Alisha - Discourse analysis, policy analysis, interviews

• Braunstein, Lauren - Ethnography of communication, critical approaches to qualitative research
Faculty Affiliates

• Denton, Michael- Narrative and arts-based inquiry, participant observation & critical approaches

• Feldman, Allan- Action research, self-study, mixed methods

• Jones, Phyllis- Participatory/inclusive research, interviewing, analysis of artifacts

• King, James- Queer and critical approaches to qualitative research

• Richards, Janet- Arts-based research, writing-up qualitative research, poetry, narrative and auto-ethnography

• Schneider, Jenifer- Performance and performative approaches to research
Emeritus Professors

Dr. Bruce Hall

Dr. Lou Carey

Dr. Bill Katzenmeyer

Dr. Jeff Kromrey and Dr. Connie Hines

Dr. Joseph Mazur

Dr. Roger Wilk

Dr. Doug Stone
Within the Program:
Hall, Hines, Kromrey Conference Room
Within the Program

- Consulting Office for Research in Education (CORE)
  - Zhiyao Yi
  - Ke Cheng
  - Anna Gonzalez
  - John Ferron, Ph.D. (Faculty Advisor)
CORE: Consulting Office for Research in Education

This consultation service is funded by the College of Education Dean's Office and provided by the doctoral students from Measurement and Research.

– Research design
– Sampling strategies and sample size determination
– Reliability Estimation
– Data screening
– Statistical analysis
– Data presentation
– Thematic analysis
– Data coding
– Instrument design/development
– Psychometrics
– Qualitative
– Mixed Methods

http://www.coedu.usf.edu/main/departments/me/CORE.html
Hough Family Foundation Measurement and Research Lab

Susan Hough Henry, Ph.D. (Measurement & Research) with clockwise Dr. Connie Hines, Dr. Bruce Hall, Dr. Colleen Kennedy (former Dean), and Mr. Dick Dearolf (former College Development Director)
Within the Program

- Hough Family Foundation Measurement and Research Lab (EDU 248)

Dr. Eunsook Kim: Coordinator
Siyu Liu, John Michels, Thang Nguyen
Anna Gonzalez
Our Students

• Diverse in Career Goals
  • Faculty in Higher Education
  • Testing and Evaluation Professionals in P-12 School Districts and Private Sector
  • Psychometricians in government and commercial testing companies
  • Researchers in institutes and centers
  • Consultants in Research and Evaluation
Our Students

- Diverse in Background
- Education (Mathematics, Science, etc.)
- Public Health
- Criminology
- Psychology
- Nursing
- Business/Economics
- etc.
Focus on Research and Innovation

• Students participate actively in research throughout the program, with explicit goals for presentation of their research via conference presentations and journal articles.

• Faculty mentor-student relationships are central in the professional socialization of the student and complement student peer relationships and collaborative engagements.
We encourage professional development through participation in state, regional, national and international conferences (these are just a few of potential conferences).

<table>
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<th>Conference</th>
<th>When Proposals are Due</th>
<th>Location + Date</th>
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<tr>
<td>American Evaluation Association (AEA)</td>
<td>Proposal deadline was March 18, 2019</td>
<td>Minneapolis, MN Nov. 11-16, 2019</td>
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<td><a href="https://www.eval.org/">https://www.eval.org/</a></td>
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<td>Florida Education Research Association (FERA)</td>
<td><strong>September 1, 2019</strong></td>
<td>St. Petersburg, FL Nov. 13-15, 2019</td>
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<td><a href="http://feraonline.org/conference/">http://feraonline.org/conference/</a></td>
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<tr>
<td>American Education Research Association (AERA)</td>
<td>Proposal deadline was July 10, 2019</td>
<td>San Francisco, CA April 17-21, 2020</td>
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<td><a href="https://www.aera.net/">https://www.aera.net/</a></td>
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<td>National Council on Measurement in Education (NCME)</td>
<td>Proposal deadline was Aug. 9, 2019</td>
<td>San Francisco, CA April 16-20, 2020</td>
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<td><a href="http://www.ncme.org/home">http://www.ncme.org/home</a></td>
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External Internships: Something to consider down the road (especially in the summer)

- **NCME** maintains a list of internships (see [http://www.ncme.org/resources/careers](http://www.ncme.org/resources/careers)).

- **AEA** and others [https://www.eval.org/GEDI](https://www.eval.org/GEDI).

- **ACT** also has a summer internship program (see [http://www.act.org/content/act/en/working-at-act.html](http://www.act.org/content/act/en/working-at-act.html)).
ACT Summer Internship Program

- Research Intern in the Validity and Efficacy Research Department

- 22 interns from different states and university degrees. Each intern has office, laptop and two monitors, and is able to use all ACT resource as any employers (Gym, library, free coffee and water, supplies, mail service, unlimited color print, use their cafeteria, blog, etc.). The internship program includes engaging in one or two projects with the intern supervisor, exposing to other ACT projects such as ACT Next, and weekly meeting with one or two of ACT department director; volunteering for 4-5 hours, assigning ACT mentor for each intern, meeting with the ACT CEO, research presentation rehearsal and conference presentation (proceed to publish product); and ceremony for recognition. We also got a chance to meet with all interns and sponsors in the area with a great 4 hours gathering. Activities are varied depending on each intern responsibilities but a variety of training and research presentation are open to public.

- Here are some of interns’ universities:
  - University of South Florida, Tampa, FL, University of Iowa, Iowa City, IA, University of Illinois at Champaign–Urbana, IL. University of California, Santa Barbara, CA, Iowa State University, IA, University of South Carolina, Columbia, SC, University of Colorado at Boulder, CO, Indiana University, Washington University, St. Louis, Missouri, Coe College, IA, University of Nebraska–Lincoln.

- Internship Program benefits: 9 weeks (from June 10th to August 10th from 8:30 AM to 5 PM) paid* summer internship ($20 per hour with 37.5 hours for a week), in addition to relocation airfare and airport meals, housing, and ACT daily commute for an intern who resides 50 miles or more from Iowa City. 

Dr. Abeer Alamri
Focus on Teaching

• All doctoral students are encouraged to acquire skills in teaching at the university level
  – In-class
  – Online

• Doctoral students are encouraged to complete a semester-long teaching internship under the supervision of a professor and experienced graduate teaching assistant, and teach independently under the supervision of the faculty member who supports them through the process of teaching at the undergraduate level (EDF 4430: Measurement for Teachers).

• EDF 4490 Studies in Research Design (undergraduate)
Focus on Student Success

- Emphasis on Mentoring

- Support for Graduate Students. CORE and the Program employ many graduate students and provide them with hands-on opportunities to learn and the financial support that makes full-time study possible.
The Program

- Research Design
- Measurement
- Statistics
- Evaluation

Education Philosophies of Inquiry
Overview (≥ 70)

• EEX 7743 Philosophies of Inquiry (3)

• Education Area (≥ 9): next slide

• Statistics, Measurement, Evaluation, and Research “Core” (≥ 28)

• Statistics or Measurement or Evaluation or Research Specialization (≥ 12)

• Qualifying Exam

• Doctoral Dissertation (18)
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<td>Cognition, Comprehension, and Content Area Reading</td>
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<td>RED 7910</td>
<td>Directed Research: Reading</td>
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<td>Ed Policy</td>
<td>EDG 7931</td>
<td>Urban Schools: Poverty &amp; Policy</td>
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<td>EDF 6883</td>
<td>Issues in Multicultural Education</td>
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<td>EDF 7046</td>
<td>Trends and Issues in Ed Policy</td>
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<td>EDF 7947</td>
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<td>EDA 6271</td>
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<td>Interactive Media</td>
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<td>MAE 6137</td>
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<td>MAE 7138</td>
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<td>RED 6545</td>
<td>Vocabulary and Word Study</td>
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Statistics, Measurement, Evaluation, and Research

• Statistics, Measurement, Evaluation, and Research “Core” (> 28)
  – All students would take the courses listed on the next slide

• Statistics or Measurement or Evaluation or Research Specialization (> 12)
  – Students would pick one area of specialization
Educational Statistics, Measurement, Evaluation, and Research (“Core”)

**Statistics (8)**
- EDF 7408* Statistical Analysis II (4)
- EDF 7484 Statistical Analysis III (4)

**Measurement (7)**
- EDF 7437 Adv. Measurement I (3)
- EDF 7438 Adv. Measurement II (4)

**Evaluation (6)**
- EDF 7485 Theory and Practice of Educational Evaluation (3)
- EDF 7940 Supervised Practicum in Applied Evaluation (3)

**Research (7***)
- EDF 7410* Design of Systematic Studies in Education (3***)
- EDF 7477* Qualitative Research in Education I (4)

* face-to-face and online
Specialization

• Students would specialize in one area:
  – Statistics
  – Measurement
  – Evaluation
  – Research Methods

• At least one course is recommended to be taken outside the Department as one mechanism for broadening students’ perspectives
Specialization: Statistics (12)

- **EDF 7486**  Application of Structural Equation Modeling in Education (3)
- **EDF 7474**  Applied Multilevel Modeling in Education (3)
- **EDF 7498**  Analysis of Single Case Data (3)
- **PHC 7059**  Advanced Survival Analysis (3)

- These courses are examples of possible courses. The final selection of courses is made by the student in collaboration with the major professor and committee.
Specialization: Measurement (12)

- EDF 7439  Foundations of Item Response Theory (3)
- EDF 7469  Introduction to Computer-Based Testing (3)
- EDF 7436  Rasch Measurement Models (3)
- SOP 6669  Factor Analysis (3)

These courses are examples of possible courses. The final selection of courses is made by the student in collaboration with the major professor and committee.
Specialization: Evaluation (14)

- EDF 7491 Consulting and Project Management Skills for Evaluators (3)
- EDF 7462 Metaevaluation (4)
- EDF 7493 Systems Approaches for Program Planning, Evaluation, and Dev. (4)
- PHC 6545 Evaluation in Mental Health (3)

- These courses are examples of possible courses. The final selection of courses is made by the student in collaboration with the major professor and committee.
Specialization: Research Methods (13)

- EDF 7478 Qualitative Research in Education II (4)
- EDG 7368 Visual Research Methods in Education (3)
- EDG 7931 Introduction to Geographic information Systems (GIS) Research Methods (3)
- PHC 6706 Focus Group Research Strategies (3)

- These courses are examples of possible courses. The final selection of courses is made by the student in collaboration with the major professor and committee.
Summary (≥ 70)

• EEX 7743 Philosophies of Inquiry (3)

• Education Area (≥ 9)

• Statistics, Measurement, Evaluation, and Research “Core” (≥ 28)

• Statistics or Measurement or Evaluation or Research Specialization (≥ 12)

• Qualifying Exam

• Doctoral Dissertation (18)
<table>
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<th>Spring</th>
<th>Summer</th>
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<tr>
<td>EDF 6407</td>
<td>Stat I</td>
<td>Tues, Thurs, Online</td>
<td>Online</td>
<td>Online</td>
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<td>EDF 7408</td>
<td>Stat II</td>
<td>Tues</td>
<td>Tues, Thurs</td>
<td>Online</td>
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<tr>
<td>EDF 7484</td>
<td>Stat III</td>
<td>Mon</td>
<td></td>
<td>Tues/Thurs</td>
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<tr>
<td>EDF 7474</td>
<td>Applied Multilevel Modeling</td>
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<td>Mon (2020)</td>
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<td>EDF 7498</td>
<td>Analysis for Single Case Experiments</td>
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<tr>
<td>EDF 7437</td>
<td>Adv Measurement I</td>
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<td>EDF 7439</td>
<td>Item Response Theory</td>
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<td>Thurs (2020, Even Years)</td>
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<tr>
<td>EDF 7469</td>
<td>Computer Based Testing</td>
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<td>Thurs (2019, Odd Years)</td>
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<td>Design Sys Studies in Ed</td>
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<td>Thurs</td>
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<tr>
<td>EDF 7477</td>
<td>Qual Research In Ed I</td>
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<td>Tues, Wed</td>
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<tr>
<td>EDF 7478</td>
<td>Qual Research in Ed II</td>
<td>Mon., Thurs</td>
<td>Thurs</td>
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<tr>
<td>EDF 7485</td>
<td>Theory of Program Evaluation</td>
<td>Sat</td>
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<td>EDF 7940</td>
<td>Pract in Applied Evaluation</td>
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<td>EDF 7497</td>
<td>Personnel Evaluation</td>
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<td>Project Management</td>
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<td>Found Ed Research</td>
<td>Wed, Online</td>
<td>Mon, Online</td>
<td>Online</td>
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<tr>
<td>EDF 6432</td>
<td>Found of Measurement</td>
<td>Wed, Online</td>
<td>Mon, Online</td>
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<tr>
<td>EDF 4430</td>
<td>Measurement for Teachers</td>
<td>Mon/Wed, Tues/Thurs</td>
<td>Mon/Wed, Online</td>
<td>Online</td>
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<tr>
<td>EDF 4490</td>
<td>Studies in Research Design</td>
<td></td>
<td>Mon/Wed</td>
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*Course schedule expected to remain in place for subsequent semesters.

Mon/Wed = Class meets twice a week; Tues/Thurs = Class meets twice a week
Graduate Certificate in Evaluation
Graduate Certificate in Evaluation

The Graduate Certificate in Evaluation provides an opportunity for graduate students and other professionals to gain a working understanding of contemporary evaluation theory and practice; tools and techniques used in evaluation; standards of quality for professional evaluation practice; evaluation ethics; appropriate evaluation uses; and impact of evaluation on decision making. The certificate is designed to prepare professionals for staff positions in evaluation, in schools or non-school organizations. Participants will be immersed in diverse real-world learning experiences from the beginning of the certificate that meet their specific interest and needs.
Graduate Certificate in Evaluation

Requirements

13 credit hours (minimum)

EDG 6931 - Foundations of Applied Evaluation (3)
EDF 6941 - Practicum in Measurement, Evaluation and Research (3)
EDF 7462 - Metaevaluation (4)

Electives (Select one course)
EDF 7477 - Qualitative Research in Education (4)
EDF 6481 - Foundations of Educational Research (3)
EDF 6407 - Statistic Analysis for Educational Research I (4)
EDF 6432 - Foundations of Measurement (3)

Credit toward Graduate Degree
Up to 12 hours of certificate course credits may be applied to a graduate degree with departmental approval.
Graduate Certificate in Qualitative Research
Graduate Certificate in Qualitative Research

• 13-hour certificate provides an opportunity for graduate students and other professionals to gain a broad and in depth knowledge of qualitative research, with an emphasis on the designs and methods used in studies of educational programs, processes, initiatives, settings, and policies.

• Required Course
  – EDF 7478: Qualitative Research in Education Part II (4 credit hours)

• Elective Courses
  – Nine (9) credit hours of elective coursework in qualitative research. Students may choose a course from the following list, or substitute an elective course approved by the Graduate Certificate director.
    • EDF 7426: Action Research in Schools (3 credit hours)
    • EDG 7368: Visual Research Methods (3 credit hours)
    • Any graduate course in qualitative research (3 credit hours)
Graduate Certificate in Qualitative Research

- For more information and to apply
  [http://www.usf.edu/innovative-education/graduate-certificates/programs/qualitative-research.aspx](http://www.usf.edu/innovative-education/graduate-certificates/programs/qualitative-research.aspx)

- For questions contact Graduate Certificate Director
  Dr. Jennifer R. Wolgemuth at [jrwolgemuth@usf.edu](mailto:jrwolgemuth@usf.edu)

- FAQs
  Can Directed Research, Independent Study, or Dissertation credits count toward the certificate?
  - No

When can I apply?
- [https://www.usf.edu/innovative-education/graduate-certificates/how-to-apply/index.aspx](https://www.usf.edu/innovative-education/graduate-certificates/how-to-apply/index.aspx)

  - Can EDF 7477: Qualitative Research in Education Part I count toward the certificate?
    - Yes
Where to find more...

- https://www.usf.edu/education/areas-of-study/educational-measurement/index.aspx
Go Bulls!