Department of Education Studies  
SEED 5324 Data Analysis in Education  
Spring 2024

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Course Time & Location: Online  
Office Hours: M W 10:30-12:30; 1:45-2:15  
Credits: 3

Prerequisites: None

Course Description: This course explores types of educational data including national and state data. Students will learn how to evaluate and analyze data while creating plans for change based on the data.

SEED 5324 spans 15 weeks and contains extensive written content that includes the same information acquisition and demonstrable skills that are required of students in a face-to-face classroom; the time requirement for students engaging in online modules is approximately 3 hours or more per week. Students are required to read texts and/or foundational articles, complete writing intensive work that will evaluate their comprehension and ability to think critically about education as well as participating in critical discussions with peers. Students will produce a paper or project as a culminating experience that synthesizes the student learning outcomes for the course. For every hour the student spends engaging with the content, he/she spends at least 2 hours completing associated activities and assessments outside of class.

I. Intended Learning Outcomes/Goals/Objectives (Program/Student Learning Outcomes):

Program Learning Outcomes:
1. The candidate will be able to evaluate technology usage in today’s school classrooms.
2. The candidate will be able to evaluate issues of cultural diversity, social justice, and critical pedagogy.
3. The candidate will be able to evaluate educational research.
4. The candidate will be able to analyze theories of curriculum, instruction, and assessment.

Student Learning Outcomes. Students in this course will:

1. Identify data from federal, state, and local institutions or agencies (NAEP, AEIS, TAPR).
2. Identify methods used for collecting data including the role of technology.
3. Access data from multiple intuitions or agencies
4. Assess and evaluate federal, state, and district data sets
5. Create implementation plans based on the analysis of data sets
6. Communicate effectively about federal, state, and district data.

II. Course Assignments, Activities, Instructional Strategies, use of Technology:

COURSE ASSIGNMENTS:
1. Educational Data Access Assignment: Students will identify an appropriate data set and report characteristics of the data and collecting agency. (SLO 1-3)
2. Critical Reflections: Students will participate in weekly online discussions and reflections about course topics (SLO 1-6)  
3. Quizzes: Students will complete quizzes based on readings. (SLO 1-6)
4. Data Analysis Proposal and Paper: Students will write a short paper on the role of
data in the American education system (SLO 1-6)
5. Change Plan and Change Plan Presentation: Students will propose and complete a change plan based on the analysis of educational data (SLO 4-6)
6. ZOOM Meetings: Students will meet online 3 times during the semester. See Schedule.
QUALITY OF ASSIGNMENTS:
High professional standards are expected of all assignments. In order to obtain the full credit for
an assignment, candidates must demonstrate higher order thinking skills (analyze data by
applying theoretical and conceptual tools discussed in the course; construct convincing
arguments; integrate information from various sources; evaluate various theoretical perspectives;
etc.).

All writing assignments must be typed using 12-point Times New Roman or Calibri font,
double-spaced. Please proof read your papers before submitting. Points will be deducted for
inappropriate format, style, grammar, and spelling errors.

Poorly written papers, identified by poor grammar, spelling, sentence structure and lack of APA
style citations will be returned and resubmitted with appropriate corrections before credit is
earned.

All work will be submitted via D2L to the course instructor, unless otherwise noted by the
instructor.

III. Evaluation and Assessment (Grading):
Student grades will be determined by the following criteria:

To determine your grade, take the points earned and divide by the number of points possible.
Letter grades for the course will be determined as follows: 90-100%=A, 80-89%=B, 70-79%=C,
60-69%=D, below 60%= F

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Description</th>
<th>Points</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Data Access Assignment</td>
<td>Students will identify an appropriate data set and report characteristics of the data and collecting agency.</td>
<td>100 pts</td>
<td>TBA</td>
</tr>
<tr>
<td>Critical Reflections</td>
<td>Students will participate in weekly online discussions and reflections about course topics.</td>
<td>15 pts each</td>
<td>TBA</td>
</tr>
<tr>
<td>Quizzes</td>
<td>Students will complete quizzes over assigned readings.</td>
<td>10-15 pts each</td>
<td>TBA</td>
</tr>
<tr>
<td>Data Analysis Paper Proposal</td>
<td>Students must propose what they want to work on for the final papers.</td>
<td>50 pts</td>
<td>TBA</td>
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<tr>
<td>Data Analysis Paper</td>
<td>Students will write a short paper on the analyzing a specific data set connected to education.</td>
<td>150 pts</td>
<td>TBA</td>
</tr>
<tr>
<td>Change Plan</td>
<td>Students will propose and complete a change plan based on the analysis of educational data</td>
<td>250 pts</td>
<td>TBA</td>
</tr>
<tr>
<td>Change Plan Presentation</td>
<td>Students will present their findings and suggestions via PPT in ZOOM</td>
<td>100 pts</td>
<td>TBA</td>
</tr>
<tr>
<td>Zoom Meetings</td>
<td>Students will participate in 2 Zoom meetings.</td>
<td>50 pts each</td>
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IV. Tentative Course Outline/Calendar:

<table>
<thead>
<tr>
<th>Week</th>
<th>Readings*</th>
<th>Assignment</th>
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</thead>
<tbody>
<tr>
<td>Module 1 &amp; 2- Week 1 1/18-1/28</td>
<td>Syllabus</td>
<td>Intro Discussion Board What I Know Discussion Board</td>
</tr>
<tr>
<td>Module 2-Week 3 &amp; 4 1/29-2/11</td>
<td>Data Literacy Ch. 1 &amp; 2</td>
<td>Critical Reflection Quiz Data Discussion Board</td>
</tr>
<tr>
<td>Module 3- Week 5 &amp; 6 2/12-2/25</td>
<td>Data Literacy Ch. 3</td>
<td>Critical Reflection Quiz Data Discussion Board</td>
</tr>
<tr>
<td>Module 4- Week 7 &amp; 8 2/26-3/10</td>
<td>Data Literacy Ch. 4</td>
<td>Quiz Data Discussion Board Educational Data Access Assignment ZOOM MEETING 3/8 @ 7:00</td>
</tr>
<tr>
<td>Module 5- Week 9 &amp; 10 3/18-3/31</td>
<td>Data Literacy Ch. 5 &amp; 6</td>
<td>Critical Reflection Quiz Data Discussion Board</td>
</tr>
<tr>
<td>Module 6- Week 11 &amp; 12 4/1-4/14</td>
<td></td>
<td>Critical Reflection Data Discussion Board Video Discussion Board Data Analysis Proposal ZOOM MEETING 4/1 @ 7:00</td>
</tr>
<tr>
<td>Module 7 Week 13 &amp; 14 4/15-4/28</td>
<td>Data Literacy Ch. 7 &amp; 8</td>
<td>Quiz Fullan Discussion Board</td>
</tr>
<tr>
<td>Module 8 Week 15 &amp; 16 4/29-5/8</td>
<td></td>
<td>Data Analysis Paper Change Plan ZOOM MEETING 5/8 @ 7:00</td>
</tr>
</tbody>
</table>

*Other weekly readings will be posted online.*
V. Readings:
Required text for the course is:


Additional readings will be assigned and/or distributed as the class progresses. These will be provided by the instructor or will be designated as available on-line, in the library or in Course Packet.

VII. Course Evaluations:

Near the conclusion of each semester, students in the Perkins College of Education electronically evaluate courses (the teaching itself and the content/assignments) taken within the PCOE. Evaluation data is used for a variety of important purposes including:
- Course and program improvement, planning, and accreditation;
- Instruction evaluation purposes; and
- Making decisions on faculty (full-time and part-time) annual evaluation processes, tenure, promotion, pay, and retention.

As you evaluate this course, please be thoughtful, thorough, and accurate in completing the evaluation. Please know that the PCOE faculty is committed to excellence in teaching and continued improvement. Therefore, your response is critical!

In the Perkins College of Education, the course evaluation process has been simplified and is completed electronically through MySFA. Although the instructor will be able to view the names of students who complete the survey, all ratings and comments are confidential and anonymous, and summarized data will not be available to the instructor until after final grades are posted.

VIII. Student Ethics and Policy

Institutional Absences (HOP 04-110)
- An Institutional Absence may be granted to a student who participates as a representative of the University in academic (including research), extra- or cocurricular, or athletic activities. Students will be excused for institutional purposes from otherwise required academic activity only when a valid Institutional Absence is approved by the appropriate administrative unit or official and the documentation of approval is provided to the faculty member at least five (5) days in advance.

Institutional absences will not be approved for keystone events, defined as: a special or unique assignment, test, project, experience, or other academic exercise identified by the Faculty member as critical for successful completion of standards of the class and unable to be missed. These events must be identified on the syllabus at the beginning of the semester and communicated to the students. Events added to the syllabus at a later date will not qualify for Keystone Event status. Keystone Events where the date/time is changed will no longer be considered a Keystone Event. Students should make themselves aware of any Keystone Events identified in the syllabus to ensure there are no conflicts.

For keystone events where the assignment dates vary, it is incumbent upon the students to work with their faculty member to not select a conflicting date.
More information on Institutional Absences, including how to apply, can be found at [https://www.sfasu.edu/deanofstudents/student-resources/institutional-absences](https://www.sfasu.edu/deanofstudents/student-resources/institutional-absences).

**Code of Student Conduct and Academic Integrity**

- The Code of Student Conduct and Academic Integrity (HOP 04-106) outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy.

Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one’s self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6) Using any sort of unauthorized resources or technology in completion of educational activities.

Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one’s own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one’s own academic work being offered for credit or in conjunction with a program course or degree requirements.

Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially. For additional information, go to [https://www.sfasu.edu/docs/hops/04-106.pdf](https://www.sfasu.edu/docs/hops/04-106.pdf).

**Withheld Grades Semester Grades Policy (HOP policy 02-206)**

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the coursework because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH
will automatically become an F and will be counted as a repeated course to compute the grade point average. For additional information, go to https://www.sfasu.edu/docs/hops/02-206.pdf.

- **Students with Disabilities**
  To obtain disability-related accommodations, alternate formats, and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services promptly may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

- **Student Wellness and Well-Being**
  SFA values students’ overall well-being, mental health and the role it plays in academic and overall student success. Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, emotional well-being, alcohol and other drugs, identities, finances, etc.

  If you are experiencing concerns, seeking help, SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

- **Other important course-related policies:**
  ***Other SFA policy information is found in the Handbook of Operating Procedures (HOP)***

IX: Resources

- **On-campus Resources:**
  - **The Dean of Students Office** (Rusk Building, 3rd floor lobby)
    - www.sfasu.edu/deanofstudents
    - 936.468.7249
dos@sfasu.edu
  - SFASU Counseling Services • www.sfasu.edu/counselingservices
    Health and Wellness Hub (corner of E. College and Raguet) • 936-468-2401
  - SFASU Human Services Counseling Clinic • www.sfasu.edu/humanservices/139.asp
    Human Services Room 202 • 936-468-1041
  - **The Health and Wellness Hub** “The Hub”
    Location: corner of E. College and Raguet St.
      - To support the health and well-being of every Lumberjack, the Health and Wellness Hub offers comprehensive services that treat the whole person – mind, body and spirit. Services include:
        - Health Services
        - Counseling Services
        - Student Outreach and Support
        - Food Pantry
        - Wellness Coaching
        - Alcohol and Other Drug Education
      - www.sfasu.edu/thehub
      - 936.468.4008
      - thehub@sfasu.edu
  - **Crisis Resources:**
X: Additional Information Specific to Educator Preparation

Code of Ethics for the Texas Educator:

- The Texas educator shall comply with standard practices and ethical conduct toward students, professional colleagues, school officials, parents, and members of the community and shall safeguard academic freedom. The Texas educator, in maintaining the dignity of the profession, shall respect and obey the law, demonstrate personal integrity, and exemplify honesty and good moral character. The Texas educator, in exemplifying ethical relations with colleagues, shall extend just and equitable treatment to all members of the profession. The Texas educator, in accepting a position of public trust, shall measure success by the progress of each student toward realization of his or her potential as an effective citizen. The Texas educator, in fulfilling responsibilities in the community, shall cooperate with parents and others to improve the public schools of the community. This chapter shall apply to educators and candidates for certification.

- Please go to TAC 247.2 – Code of Ethics and Standard Practices for Texas Educators.

To complete Certification/Licensing Requirements in Texas related to public education and other professional settings, you will be required to:

- Candidates must undergo a criminal history background check prior to clinical teaching and prior to employment as an educator. The public school campuses are responsible for completing the criminal background check. A person who is enrolled or planning to enroll in a State Board for Educator Certification-approved educator preparation program or planning to take a certification examination may request a preliminary criminal history evaluation letter regarding the person's potential ineligibility for certification due to a conviction or deferred adjudication for a felony or misdemeanor offense.

- A Preliminary Criminal History Evaluation is a non-mandatory, non-binding evaluation of an individual’s self-reported criminal history. In addition, the agency obtains your name-based Texas criminal history information. The service is provided to the requestor for a non-refundable fee. The requestor will receive an evaluation letter by email from agency staff advising of potential ineligibility for educator certification. You are eligible to request a Preliminary Criminal History Evaluation if:
  - You enrolled or planning to enroll in an educator preparation program or,
  - You are planning to take a certification exam for initial educator certification, and
  - You have reason to believe that you may be ineligible for educator certification due to a conviction or deferred adjudication for a felony or misdemeanor offense.

- You are not eligible for a preliminary evaluation of your criminal history if you do not have a conviction or deferred adjudication for a felony or misdemeanor offense.

- In addition, you must complete the fingerprinting process when you apply for certification. Participation in the evaluation does not preclude you from submitting to a national criminal history review at the time you apply for certification.
your educator certification. Your criminal history will be reviewed and you may be subject to an investigation based on that criminal history, including any information you failed to submit for evaluation.

- Provide one of the following primary ID documents:
  - Passport
  - Driver’s license, state or providence ID cards
  - A national ID card, or military ID card to take the TEExES exams
  - YOU must provide legal documentation to be allowed to take these mandated examinations that are related to certification/licensing requirements in Texas. If you do not have legal documentation, you may want to reconsider your major while at SFASU.

- Successfully complete state mandated a fingerprint background check. If you have a history of criminal activity, you may want to reconsider your major while at SFA.

- For further information, contact the Office of Assessment and Accountability at 936-468-1282 or edprep@sfasu.edu.

XI: Other Relevant Course Information:

Communication
I prefer students to email me through my SFA email: rudolpham@sfasu.edu. I have more access to that email than the email in D2L. My intention is to reply to all emails within 48 hours. Sometimes, I may be unavailable due to conference attendance or unexpected illness. If that is the case, I will post my availability in the class.