

DAKOTA WESLEYAN UNIVERSITY
Department of Education

COURSE CODE: EDU 599 C

COURSE TITLE: SD STEM Ed 2023 Conference

SEMESTER AND YEAR: Spring 2023

TOTAL COURSE HOURS: 1

COST: \$70

CLASS LOCATION, MEETING TIME, AND DAY(S): Thursday, February 2 –
Saturday, February 4

**NAME AND TITLE OF FACULTY MEMBERS RESPONSIBLE FOR THIS
COURSE:**

Dr. Ashley Digmann
Dakota Wesleyan University
Education Department Chair
Assistant Professor of Mathematics

FACULTY CONTACT INFORMATION:

Phone: (605) 995-2891
Email: ashley.digmann@dwu.edu

COURSE DESCRIPTION: 2022 SD STEM Ed Conference college credit

DWU MISSION STATEMENT:

As an inclusive educational community, Dakota Wesleyan University provides a transformative learning experience that cultivates enduring intellectual growth, ethically grounded leadership, intentional faith exploration, and meaningful service.

STATE OR NATIONAL STANDARD REQUIREMENTS:

1. The NCTM and NSTA Curriculum and Evaluation Standards.
2. The South Dakota Science Content Standards.
3. The South Dakota Mathematics Content Standards.
4. Common Core State Standards

REGISTRATION INFORMATION

Registration must be completed online with a credit card at:
<https://store.dwu.edu/NonDegreeCredit> Select course 599: SD STEM Ed. 2022
Conference. Please also note that there is no withdrawal date for courses running for 21
days or fewer, therefore once you register you will not be able to withdraw from this
course.

COURSE REQUIREMENTS

You must complete both requirements, 1 and 2, listed below.

1. You must attend 15 hours of sessions. The Friday night banquet may count as 2 hours. Please have the speaker sign the form after each session except the banquet.
2. You have two options (choose only one):

Option 1: Submit a reflection paper on the conference, including how you will utilize some of the specific techniques and strategies from the sessions you attended into your own classroom.

Option 2: Pick a standard from state or national standards and develop a lesson plan to demonstrate how a concept introduced at the conference can be used to address the standard(s). You may use any of the following standards:

- a) The NCTM and NSTA Curriculum and Evaluation Standards.
- b) The South Dakota Science Content Standards.
- c) The South Dakota Mathematics Content Standards.
- d) Common Core State Standards

The lesson plan must list the standard and how it is being met. Objectives, textbooks, and supplementary material to be used must be included in the plan. For science lessons that involve experimentation by students, you must incorporate controls, replicates, and statistics where appropriate. Further lesson plan guidelines are given below.

LESSON PLAN INSTRUCTIONS:

Select a teaching unit that includes an activity you learned about at the SDSTA/SDCTM conference. Develop the activity into a lesson plan that has sufficient detail that any other science/math teacher could implement it. Please do not copy a lesson plan from a textbook, as this will be your original work. (A sample format is attached to the syllabi). The plan should include:

1. The objectives to be accomplished by the students;
2. A detailed introduction (exploratory phase) on how the lesson would be initiated, including the questions that you plan to ask (along with the answers you expect);
3. A brief description of the activity;
4. A detailed description of the post activity discussion (or concept application phase), again including all questions that you plan to ask (and the answers you expect);
5. Prepare an assessment to test student mastery of your objectives.

DUE DATES AND SUBMISSION INFORMATION:

The conference activity sheet and lesson plans or reflection paper are due Monday, February 27, 2023. This will allow time for the professor to provide feedback and return lesson plans for revision, if necessary. Participants who do not submit assignments by the due date will not receive credit for the course.

Please email to Ashley Digmann, at Dakota Wesleyan University at Ashley.Digmann@dwu.edu . Please attach lesson plans in Word or PDF form.

TRANSCRIPT INFORMATION

Transcript information can be found at: <https://www.dwu.edu/alumni-visitors/for-alumni/request-a-transcript>

Office of the Registrar, DWU 1200 West University Ave., Mitchell, SD 57301-4398.

TITLE IX:

In support of its mission, Dakota Wesleyan University is committed to maintaining a healthy and safe learning, living, and working environment that promotes responsibility and respect among all members and guests of the campus community. This is an environment in which no one is unlawfully excluded from participation in, denied the benefits of, or subjected to discrimination in any university program or activity on the basis of gender, sex, sexual orientation, sexual identity, gender identity, or gender expression. Individuals wishing to discuss a Title IX issue or file a formal complaint should contact the Title IX Coordinator.

Tom Hoek, Director of Student Life
Office: Rollins Campus Center
Phone: (605) 995-2160
Fax: (605) 995-2892
tom.hoek@dwu.edu

Academic Success and Career Services Center

The Academic Success and Career Services Center is located on the second Floor of the McGovern Library. This center offers a wide range of academic support and career planning services. Services include selecting or changing a major, preparing for standardized tests, applying to graduate schools, tutoring, writing assistance, identifying strengths and talents, career preparation, and many more. The center is also a place for students to learn, collaborate, and study. For more information and/or questions, please contact:

Kristy Zink, Academic Success and Career Services Coordinator
Office: McGovern Library, Room 202
Phone: (605) 995-2904

Office of Disability Services and The Americans with Disabilities Act Statement:

Any student who believes she or he may need academic accommodations or access accommodations based on the impact of a documented disability are encouraged to contact and register with Disability Services no later than three weeks after the first day of classes. Disability Services is the official office to assist students through the process of disability verification and coordination of appropriate and reasonable

accommodations. Students currently registered with Disability Services must obtain a new accommodation letter each semester.

The Americans with Disabilities Act (ADA) guarantees the privacy of students with disabilities. For more information, questions, and/or accommodation arrangement, please contact:

disabilityservices@dwu.edu

Phone:(605) 995-2499

Office: McGovern Library Room 231

Academic Integrity Policy

Dakota Wesleyan University is dedicated to the achievement of academic excellence, the building of character and the pursuit of lifelong learning. To be successful in realizing these goals, honesty and integrity must be a part of every learning opportunity on campus. Academic dishonesty breaks the trust necessary for the building of community, the promotion of authentic learning, and the nurturing of spiritual values. All members of the institution, including faculty, staff and students, share the responsibility to report incidents of academic dishonesty.

Academic dishonesty includes, but is not limited to, any act of cheating, fabrication, plagiarism, abuse of resources, forgery of academic documents, dissimulation, sabotage and any act of facilitating or aiding any of the foregoing.

The following definitions are intended to clarify this policy and not to exhaustively catalog all possible forms of academic dishonesty.

- Cheating is using or attempting to use unauthorized materials, electronic devices, information or study aids in any academic exercise. Examples: copying homework, copying someone else's test, using unauthorized information such as a cheat sheet, using a cell phone during an exam.
- Fabrication is the falsification or invention of any information or citation in any academic exercise. Examples: making up a source, knowingly giving an incorrect citation, intentionally misquoting a source.
- Plagiarism is the representation of the words and ideas of another as one's own in any academic exercise.
- Dissimulation is the disguising or altering of one's own actions so as to deceive another about the real nature of one's actions with respect to an academic exercise. Examples: fabricating excuses for such things as missing classes, postponing tests, handing in late papers, turning in a paper for one class that was originally written for another class (when original work is requested).
- Abuse of resources is the damaging of any resource material or inappropriate limiting of access to resource material necessary for academic work. Examples: destroying or hiding library materials; removing non-circulating material from the library; hiding or stealing another person's textbook, notes or software; failure to return library materials when requested by the library.
- Forgery of academic documents is the unauthorized changing or construction of any academic document. Examples: changing transcripts, changing grade

- books, changing grades on papers that have been returned, forging signatures, signing other students in to class when they are not present.
- Aiding and abetting academic dishonesty is knowingly facilitating any of the activities described in this policy or any other incidents of academic dishonesty not specifically described here.

Instructors are encouraged to discuss this policy with their classes at the beginning of each course and to list the first paragraph of this policy in their syllabi, with references to the complete listing of the policy in this catalog and the DWU Student Handbook.

Violations of Academic Integrity Policy

Violations of this academic integrity policy will, at the discretion of the faculty member, result in one of the following:

- a reprimand (written or verbal) for unintentional violations;
- a zero (or other significant grade reduction) for the assignment (paper, exam or project) for intentional or flagrant violations; or
- a grade reduction or failing grade in the course for intentional or flagrant violations.

Unintentional infractions may be reported to the provost at the discretion of the faculty member. All infractions deemed by a faculty member to be intentional must be communicated to the student and reported to the provost, using the required form. The provost shall keep a record of all reported infractions and accompanying sanctions in his or her office. The provost may use this information, at his or her discretion, to impose more severe penalties for students who violate the policy more than once (but who may do so in different classes and/or with different instructors). A second violation of the university's academic integrity policy shall, generally, result in failure for the course in question. A third violation shall, generally, result in expulsion from the university. The provost may modify these penalties at his or her discretion.

Not all academic integrity decisions are subject to appeal. First time decisions (i.e. those made by an individual faculty member for a first-time infraction) are not subject to appeal. Only second or third decisions (i.e. those made by the provost on the basis of knowledge of previous infractions) are subject to appeal.

A student wishing to appeal either a second or third violation of the university's academic integrity policy must submit his or her written appeal within five (5) business days of receiving his or her written communication from the provost. The appeal should be submitted to the office of the provost. Appeals will be reviewed by an academic integrity committee consisting of the two traditional college deans overseeing the colleges in which the most recent academic integrity violation *did not occur* and the director of student life. The decision of the appeals committee shall be final.

Lesson Plan Format

Remember: No lessons copied directly from a text or from another person. (You may use these lessons as a guide but please make it your lesson.)

Your lesson plans should be prefaced by a title page that includes:

1. Your name and school district.
2. The standard or standards you are addressing.
3. The grade level you are teaching.

For each lesson, include:

1. Standard(s) being used
2. Objective(s)
3. Materials
4. Procedure/Activities
5. Assessment of Student Learning
6. Closure
7. Follow-up or Homework (Optional)

Remember that science lessons that involve student experimentation must incorporate controls, replicates, and statistics where appropriate.