

AE 3280 STATISTICS: ASSESSING LEARNING + TEACHING

Credits: 3

The course introduces basic statistics principles and applies them to the purposes for and approaches to assessment, both traditional and alternative. Study includes quantitative and qualitative methods for assessing student performance in art and design, as well as course and program effectiveness. Proficiencies are determined by measuring the student's ability to organize data; plan teaching effectiveness; devise and demonstrate assessment; and evaluate instruments and methodologies. Upon successful completion of this course, students will have learned basic statistical methods for data collection and analysis for the purpose of assessing teaching and learning in K-12 schools. Students will also become familiar with how to assess their own teaching skills and to recognize the importance and methods of assessing student learning in the classroom.

Prerequisites: AE 3221 - Equity in Learning; must be an Art Education major.

Course Learning Outcomes:	Exceeding	Meeting	Developing	Not meeting	AE Program Outcomes	RMCAD Institutional Outcomes	CDE TQS	CDE VA	CDE EL
Students build a conceptual understanding of the Colorado Visual Arts Standards and are able to successfully incorporate them into their developed units, objectives and assessments.	Demonstrates an above average ability to promote Inquiry and deeper understanding in learning through Arts-Based Research. The Arts Educator shows growth in mastery of and pedagogical expertise in the content they teach.	Demonstrates an entry-level ability to promote Inquiry and deeper understanding in learning through Arts-Based Research. The Arts Educator is reflective in understanding mastery of and pedagogical expertise in the content they teach.	Demonstrates an incorporation of Arts-Based Research, though does not meet standard expectations. The Arts Educator needs further development in the pedagogical understandings of Arts Education.	No Acceptable Evidence of Inquiry through Arts Based Research.	AE1	Design Competence	TQS 5.01(1)	N/A	N/A
Students develop formal and informal methods to assess learning and provide feedback in order to improve their planning and instruction to support the development of critical-thinking and problem-solving skills.	Demonstrates an above average ability to promote Inquiry and deeper understanding in learning through Arts-Based Research. The Arts Educator shows growth in mastery of and pedagogical expertise in the content they teach.	Demonstrates an entry-level ability to promote Inquiry and deeper understanding in learning through Arts-Based Research. The Arts Educator is reflective in understanding mastery of and pedagogical expertise in the content they teach.	Demonstrates an incorporation of Arts-Based Research, though does not meet standard expectations. The Arts Educator needs further development in the pedagogical understandings of Arts Education.	No Acceptable Evidence of Inquiry through Arts Based Research.	AE4	Design Competence	TQS 5.03(2) , TQS 5.03(4)	N/A	N/A
Students express high standards for professional conduct through the development and incorporation of educational research design in the field of art education.	Demonstrates above average professionalism. The Arts Educator shows growth in their ethical conduct and reflection.	Demonstrates entry-level professionalism. The Arts Educator is reflective in their ethical conduct and reflection.	Professional practices do not meet standard expectations. The Arts Educator needs further development in their professional practice.	No Acceptable Evidence of Professional Practices.	AE7	Cultural Critical Thinking	TQS 5.04(1),		
Students develop appropriate critique processes to utilize in their classrooms.	Demonstrates an above average ability to create unique solutions by combining multiple ideas and influences in both teaching and learning. The Arts Educator shows growth in their creative thinking processes.	Demonstrates an entry-level average ability to create unique solutions by combining multiple ideas and influences in both teaching and learning. The Arts Educator is reflective in their creative thinking processes.	Demonstrates and incorporation of Creative Thinking in teaching and creating. The Arts Educator needs further development in their creative thinking processes.	No Acceptable Evidence of Synthesis/Creative Thinking.	AE6	Critical Thinking	N/A	VA 4.04(5), VA 4.04(8)	N/A
Students construct formative and summative assessments in order to best inform their instructional practice.	Demonstrates above average professionalism. The Arts Educator shows growth in their ethical conduct and reflection.	Demonstrates entry-level professionalism. The Arts Educator is reflective in their ethical conduct and reflection.	Professional practices do not meet standard expectations. The Arts Educator needs further development in their professional practice.	No Acceptable Evidence of Professional Practices.	AE7	Cultural Critical Thinking	N/A	N/A	EL 5.12(2) ELEMENT B