



Course Syllabus: Teaching Math in Middle School/High School
West College of Education

EDUC 4073-101 EDUC 4076-X10

COURSE SYLLABUS: Fall 2021

Fall 2021, revised Aug 2021

Contact Information

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Instructor Response Policy

We will be working and communicating constantly throughout the semester. Email is great however you will also be a part of class GroupMe which will provide more flexibility in communication. I will try my best to answer all emails and texts within 24 hours, however you will definitely get a response within 48 hours (2 days). Any emails or texts received during weekends will not receive a response till the following Monday. No emails or texts will be answered over the weekend.

Textbook & Instructional Materials

1. Stein, M. K., & Margaret, S. S. (2011). *5 Practices for Orchestrating Productive Mathematics Discussions*. Reston, VA: Thousand Oaks, CA: National Council of Teachers of Mathematics.

2. Handouts and copied materials as required through the semester.

Course Description

This field-based, 3-credit course focuses on middle and secondary school math pedagogy with emphasis on instructional strategies and models, the use of technology in the learning/teaching process, effective practices, professionalism, curriculum, and lesson design. Different teaching strategies include: appropriate use of creative approaches to the learning/teaching process, cooperative learning, direct instruction, inquiry, concept attainment, etc.

Prerequisite(s): EDUC 3163, EDUC 3183, EPSY 3153, and SPED 3613 & Admission to the teacher education program.

Co-requisite(s): Concurrent enrollment in ETEC 4003.

Course Objectives

- Learners will be able to understand, describe and implement learning and thinking in mathematics in middle/high school level.
- Learners will be able to develop curriculum and use effective instructional planning skills.
- Learners will be able to develop appropriate assessment tools to assess students' learning and use the assessment data to design appropriate learning activities.
- Learners will be able to develop lesson plans that involve students in an active learning environment, including flexible instructional strategies and differentiation.
- Learners will be able to develop lesson plans/unit plans that incorporate [national standards](#) and [state standards](#) in mathematics.
- Learners will be able to develop [technology](#) integrated instructional and assessment strategies and activities.
- Learners will be able to develop and implement effective teaching strategies including learner-centered instruction, integrating effective modeling, questioning and self-reflection strategies.
- Learner will be able to effectively implement discipline management procedures and communicate clear expectations for achievement and behavior for their students.
- Learners will be able to develop and implement learning environments (positive, equitable, engaging) that utilize various teaching/learning strategies, integrating critical thinking, inquiry, and problem solving.
- Learner will be able to assume various roles in the instructional process (facilitator, instructor, audience, ...)
- Learner will be able to provide quality and timely feedback to students.

- Learner will be able to differentiate instruction to meet the academic needs and behavioral needs of students with disabilities and LEP-ELL and to provide appropriate ways of the students to demonstrate their learning.
- Learner will be able to collaborate with professionals in meeting the needs of students with disabilities.
- Learner will be able to understand and adhere to federal and state laws and district and campus policies regarding Students with disabilities and LEP-ELL students and implement IEP decisions and assessments related with IEP goals and objectives.
- Learner will be able to model and teach the forms and functions of academic English in content areas.
- Learner will be able to build and maintain positive rapport with students and their families.

Study Hours and Tutoring Assistance

The TASP offers a schedule of selected subjects tutoring assistance. Please contact the TASP, (940)397-4684, or visit the ASC homepage for more information. [Tutoring & Academics Supports Programs](#)

Student Handbook

Refer to: [Student Handbook-2019-20](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct. [Office of Student Conduct](#)

Attendance

Absence Policy - Professional teachers are dependable, reliable, and responsible. Therefore, candidates are expected to be on time and in attendance at every class, and to stay for the entire class. Tardiness, leaving early, and excessive absences (3) are considered evidence of lack of dependability, and are taken seriously. *Candidates will receive a grade of F on the third absence. If a candidate is taking 'blocked' courses that are taught at a Professional Development School, requiring field experience, the candidate will be dropped with an F from those classes as well.*

After an absence from the course it is imperative that a student schedule an appointment with the course instructor to discuss attendance. Failure to schedule and attend a conference will result in the loss of classroom

participation and disposition points and also in grade being lowered by one letter. It is the candidate's responsibility to make up for any missed work. It is also expected that you will complete all course field experience hours in a professional manner. Professional conduct is expected when observing or participating in school settings (e.g., dressing appropriately, arriving on time, remaining for the entire pre-arranged time, not canceling, and demonstrating respect in all interactions with young people, parents, teachers, and staff). If you must miss your field experience for any reason, you are expected to call the school and the teacher you are working with before school begins for the day. You must also contact the course instructor by e-mail or phone to let me know you will not be present and arrange a time with me when we can discuss the most appropriate way to make up that absence. Excessive tardiness (determined by the professor) can be defined as an absence and subject to the absentee policy. Three instances of tardy arrival will be counted as one absence.

In the event that a class member is absent, for whatever reason, that individual assumes responsibility for contacting the instructor to account for missed work and to turn in work. It is impossible to provide a summary of all that takes place during any given class via email. If a student is going to be absent, they have the responsibility to contact the instructor to turn in assignments and obtain copies of any handouts from the missed class. Tentative assignment due dates are listed on the course schedule. While the actual due dates may vary due to the flow of the class, all assignment due dates will be finalized and announced in class well in advance of the specific date. Late work, unless arrangements are made by the student and approved in advance by the instructor, will not be accepted for full credit.

Instructor Drop

As per the College policies, an instructor may drop a student any time during the semester for excessive absences, for consistently failing to meet class assignments, for an indifferent attitude, or for disruptive conduct. Instructor will give the student a verbal or written warning prior to dropping the student from the class. The instructor-drop takes precedence over the student-initiated course drop of a later date. The instructor will assign a grade of either WF or F through the first 8 weeks of this semester. After this period, the grade will be an F. The date the instructor drop form is received in the Office of the Registrar is the official drop date.

Class Participation

Students should participate in all activities of this course. It is important that students should meet all the deadlines as posted. In case of any emergency situation (like death or illness in family and so on) it is important that the

student should report the same to the professor in a timely manner. It is your course and the primary intention should be to reach the goals and acquire proficiency in the topics discussed in the course. Although in general students are graded on intellectual effort and performance rather than attendance, absences may lower the student's grade where class attendance and class participation are deemed essential.

Excessive tardiness or absence (as determined by the professor), disruptive attitude, or failure to consistently class requirements might result in instructor-drop, if required. Being repeatedly late for class will also result in a grade reduction regardless of other marks. Tardiness will result in loss of classroom disposition points and three instances of tardy arrival will be counted as one absence.

Each student brings a unique perspective and life experience to the learning environment and is expected to actively and thoughtfully participate by making pertinent contributions. All students are expected to read assignments and be prepared to discuss them. Note that you are provided with focus questions that are designed to structure your reading of the assigned texts. Moreover, additional readings may be assigned by the course instructor. *Participating in class discussions and following expectations is a part of grade.* Please come to class with questions or issues from the reading that you found central or worthy of further exploration. Students may also be asked to do activities and exercises related to the assigned readings or to lead discussions on a topic or reading. You will have many opportunities to participate in class and on D2L, and such is a very important part of this course.

Online Computer Requirements

It is your responsibility to have (or have access to) a working computer in this class. *Assignments are due by the due date, and personal computer technical difficulties will not be considered a reason for the instructor to allow students extra time to submit assignments, tests, or discussion postings.*

Computers are available on campus in various areas of the buildings as well as the Academic Success Center. Your computer being down is not an excuse for missing a deadline!!

Instructor Classroom Policies

Students are expected to assist in maintaining a classroom environment which is conducive to learning. In order to assure that all students have the opportunity to gain from time spent in class, unless otherwise approved by the instructor, students are prohibited from engaging in any form of distraction—this includes, but is not limited to, pagers and cell phones. In

the classroom or during virtual meetings, cell-phones need to be put away so that they do not disrupt the learning environment for you and others. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class and a Professional Fitness Form will be filed for review with the college. If the instructor must file a Fitness Alert Form for any reason, including failure to demonstrate appropriate teaching dispositions, the student may receive an instructor drop with an "F" for the course

Any student who misses class (for any reason) remains responsible for contacting other students to obtain class. In the event that a class member is absent, for whatever reason, that individual assumes responsibility for contacting the instructor to account for missed work and to turn in work. It is impossible to provide a summary of all that takes place during any given class via email. If a student is going to be absent, they have the responsibility to contact the instructor to turn in assignments and obtain copies of any handouts from the missed class. Tentative assignment due dates are listed on the course schedule. While the actual due dates may vary due to the flow of the class, all assignment due dates will be finalized and announced in class well in advance of the specific date. *Late work, unless arrangements are made by the student and approved in advance by the instructor, will not be accepted for full credit.*

Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individuals to whom credit is given) will not be considered. I use turnitin for the written assignments and D2L directly syncs with it (you do not have to do anything). You will be able to see the plagiarism percentage and are welcome to make changes and resubmit BEFORE the due date. Any plagiarism of 30% and above is too much and the assignment will not be graded, given a zero, and no make-up allowed!!!

Grading/Assessment

Table 1: Points allocated to each assignment.

Assignments	Grade Points
Lesson Plan	225 points
Classroom Observation	200 points
Unit Plan	110 points
Technology Assignment	15 points
Written Assignments	100 points
Presentations	50 points
Classroom Participation and Disposition	100 points
TOTAL	800 points

Table 2: Total points for final grade.

Grade	Points
A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	Below 59%

Written Assignments

There are four brief written assignments in this course that build your understanding of thinking about how children assimilate mathematics and also prepare you to become aware of research-based practices in teaching mathematics. Details for each of them will be provided in class and also available on D2L.

Presentation/Mini-Teaching

There will be one mini-teaching/presentation during the course to provide you with a space to practice teaching and get peer and instructor feedback. Details about the expectations, rubric, and implementation will be provided in class and also available on D2L.

Lesson Planning

Teacher candidates must demonstrate the ability to plan, assess, and implement instruction. This begins in the Foundational block where the teacher candidates create and write lessons for effective teaching. Teacher candidates are required to develop lesson plans. The specific format can be adapted, but should always include the objectives (TEKS), procedures,

materials/resources, and assessment. Student engagement is a key element in a good lesson with a goal of student learning/success is the ultimate goal.

Candidates must form an assessment strategy to determine the extent to which students are able to master learning of objectives. Candidates also describe the instructional delivery method addressing the following step-by-step procedures:

1. Questions and concerns listed in the directions given to you by your instructor
2. Setting purposes ("Today we will be...I want you to...because you will...")
3. Method(s) for engaging students in the lesson
4. Any questions asked during the lesson should be in bold
5. Higher order thinking reflected in questions
6. Instructional Strategies: Modeling, Discussion, "Hands-on", Inquiry, etc.
7. Grouping: when and how
8. Instruction that addresses learners' needs (ELLs, Special Education, 504, Gifted, Struggling Learner)
9. Closure

After teaching the lessons, candidates are then required to reflect on the lesson delivery, appropriateness of instructional strategies, impact for future planning, and opportunities for collaboration with mentor teacher. The skills acquired during lesson planning provides the foundation and are also built upon for unit planning and other key assessments.

See Appendix B for other learning experiences at WCOE

Unit Planning

Unit Plan is a WCOE key assessment. Teacher candidate's ability to demonstrate the ability to plan, assess, and implement instruction continues in the professional block with the Unit plan assessment. The unit plan assessment is a modified form of Midwestern Impact on Student Learning (MISL) that requires teacher candidates to plan a unit of teaching. Candidates are required to determine a set of multiple learning objectives aligned to state content standards Texas Essential Knowledge and Skills (TEKS) appropriate to the lesson(s) the candidate is preparing.

As you complete the assignments for this class, you will demonstrate skills from the following five categories and will assessed based on them:

Domain I: Planning and Preparation - demonstrate knowledge of content and pedagogy; demonstrate knowledge of students; select instructional goals; demonstrate knowledge of resources; design coherent instruction; assess student learning.

- Plan *minds-on* lessons in a unit around *powerful ideas* that have students actively involved in the learning process.
- Use the TEKS and district assigned standards for mathematics instruction.
- Curriculum and NCTM standards, to develop and present the lessons.
- Content understanding and learning goals are assessed.
- Data collection and analysis.

Domain II: Classroom Environment - establish a culture for learning.

Field experience observation: Teach one Math lesson in your field experience placement. Submit Lesson Plan to me AND your mentor teacher *five school days in advance*. Lesson cannot be taught until approved by both of us and must be observed by me.

Domain III: Instruction - communicate clearly and accurately; use questioning and discussion techniques; engage students in learning; provide feedback to students; demonstrate flexibility and responsiveness.

- Field experience observation.
- Peer instruction and reviews.
- Classroom activities
- Problem-solving

Domain IV: Professionalism - Reflect on teaching; show professionalism; contribute to the school and/or district.

- Reflection required after Math lesson taught.
- Being *present* in class in a prompt manner.
- Classroom Participation.

Domain V: Technology Integration - demonstrate the use of technology in the learning/teaching process.

- Integrate technology by being aware of various resources and its effectiveness and application to the curriculum.
- Integrate technology and correlate it to the Math TEKS by critically analyzing technology for teaching mathematics.
- Assignments accurately posted through D2L and TK20.

Extra Credit

Extra Credit opportunities will be given and will depend on the flow and needs of the class.

Late Work

25% off per day per assignment (including Saturday and Sunday). So, if the assignment is for 100 points, you can make a maximum score of 75 after one day, 50 after two days, 25 after three days, and zero after 4 days if all your answers are correct. There is NO late work on discussion boards or quizzes! All this is non-negotiable!!! If there are any issues/confusions, contact me

BEFORE the assignment is due (at least 48 to 24 hours before the assignment is due). Time shown as on D2L or email be used.

NOTE: *Computer or D2L issues do not provide an excuse.* Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with D2L as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into D2L through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor. *Do not wait till the last minute to submit the assignment.* Delays or sending through email will be counted late!

Make Up Work/Tests

There will be no make-up or resubmissions allowed on assignments, quizzes, discussion boards, or any other activity in class.

Important Dates

Last day for term schedule changes: 8/26/21

Deadline to file for graduation: December graduation 9/27/21

Last Day to drop with a grade of "W:" 10/25/21

Refer to: [Drops, Withdrawals & Void](#)

Desire-to-Learn (D2L)

Extensive use of the [MSU D2L program and Pearson My Lab](#) is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage and use access code for Pearson My Lab.

Services for Students with Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make necessary arrangements. Students must present appropriate verification from the University's Disability Support Services (DSS) Office during the instructor's office hours. Please note that instructors are not allowed to provide classroom accommodation(s) to a student until appropriate verification from DSS has been provided.

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

COVID

Scientific data shows that being fully vaccinated is the most effective way to prevent and slow the spread of COVID-19 and has the greatest probability of avoiding serious illness if infected in all age groups. Although MSU Texas is not mandating vaccinations in compliance with Governor Abbott's executive orders, we highly encourage eligible members of our community to get a vaccination. If you have questions or concerns about the vaccine, please contact your primary care physician or health care professional. Given the recent rise in cases, individuals are also strongly encouraged to wear facial coverings when indoors among groups of people, regardless of vaccination status. Although MSU Texas is not currently requiring facial coverings, they have been an effective strategy in slowing the spread.

Grade Appeal Process

Students who wish to appeal a grade should consult the Midwestern State University [Undergraduate Catalog](#)

Notice

Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

Course Schedule

Disclaimer Notice: Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor to meet the needs of the class appropriately.

All assignments are due on Sunday by 11:30pm

Please see attached document for a detailed course schedule

All math certification candidates should get a minimum of 36 field hours in their mathematics methods course.

References

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Appendix A: Standards/Competencies

WCOE Standards

The outcomes for graduates of professional programs are based upon knowledge, skills, and dispositions in the following elements:

- Learner Development - understand how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and design and implement developmentally appropriate and challenging learning experiences.
- Learning Differences - understand individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards.
- Learning Environment - work with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation.
- Content Knowledge - understand the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and creates learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content.
- Application of Content - understand how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.
- Assessment - understand and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.
- Planning for Instruction - plan instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context.
- Instructional Strategies - understand and use a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways.
- Professional Learning and Ethical Practice - engage in ongoing professional learning and use evidence to continually evaluate his or her practice, particularly the effects of his or her choices and actions on others (learners, families, other professionals, and the community), and adapts practice to meet the needs of each learner.
- Leadership and Collaboration - seek appropriate leadership roles and opportunities to take responsibility for student learning, to collaborate with learners, families, colleagues, other school professionals, and

community members to ensure learner growth, and to advance the profession.

Mathematics Standards

In this course, we will focus on Mathematics Standards VII, VIII, and IX for all grade levels. Click on appropriate link to see the details.

- [Mathematics Standards \(Grades 4-8\)](#)
- [Mathematics Standards \(Grades 7-12\)](#)

Standard VII Mathematical Learning and Instruction

The mathematics teacher understands how children learn and develop mathematical skills, procedures and concepts; knows typical errors students make; and uses this knowledge to plan, organize and implement instruction to meet curriculum goals and to teach all students to understand and use mathematics.

Standard VIII Mathematical Assessment

The mathematics teacher understands assessment, and uses a variety of formal and informal assessment techniques appropriate to the learner on an ongoing basis to monitor and guide instruction and to evaluate and report student progress.

Standard IX Professional Development

The mathematics teacher understands mathematics teaching as a profession, knows the value and rewards of being a reflective practitioner, and realizes the importance of making a lifelong commitment to professional growth and development.

TEXES Exam Framework Standards and Competencies (Mathematics Standards)

Click appropriate links according to your test areas

- [4-8 Math \(Test 115\) Domain VI, Competencies 017, 018, 019,](#)

Domain VI — Mathematical Learning, Instruction and Assessment

Competency 017: The teacher understands how children learn and develop mathematical skills, procedures and concepts.

Competency 018: The teacher understands how to plan, organize and implement instruction using knowledge of students, subject matter and statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) to teach all students to use mathematics.

Competency 019: The teacher understands assessment and uses a variety of formal and informal assessment techniques to monitor and guide mathematics instruction and to evaluate student progress.

- [7-12 Math \(Test 235\) Domain VI, Competencies 020, 021](#)

Domain VI — Mathematical Learning, Instruction and Assessment

Competency 020: The teacher understands how children learn mathematics and plans, organizes and implements instruction using knowledge of students, subject matter and statewide curriculum (Texas Essential Knowledge and Skills [TEKS]).

Competency 021: The teacher understands assessment and uses a variety of formal and informal assessment techniques to monitor and guide mathematics instruction and to evaluate student progress.

- [Core Subjects 4-8 Math section \(Test 211-809\) Subject Exam II Competencies 018, 019\)](#)

Competency 018—The teacher understands how to plan, organize and implement instruction using knowledge of students, subject matter and statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) to teach all students to use mathematics.

Competency 019—The teacher understands assessment and uses a variety of formal and informal assessment techniques to monitor and guide mathematics instruction and to evaluate student progress.

Pedagogy and Professional Standards (PPR)

In this course, we will focus on all the PPR Standards, while planning and teaching in the chosen Professional Development School.

[PPR Standards, Grades 4-8](#) (TAC.19.7. Chapter 235.C.§235.41, a-g)

- (a) Grades 4-8 pedagogy and professional responsibilities (PPR) standards. The PPR standards identified in this section are targeted for classroom teachers of students in Grades 4-8. The standards address the discipline that deals with the theory and practice of teaching to inform skill-based training and development. The standards inform proper teaching techniques, strategies, teacher actions, teacher judgements, and decisions by taking into consideration theories of learning, understandings of students and their needs, and the backgrounds and interests of individual students. The standards are also aligned with the Commissioner's Teacher Standards in 19 TAC Chapter 149 of this title (relating to Commissioner's Rules Concerning Educator Standards).
- (b) Instructional Planning and Delivery. Grades 4-8 classroom teachers demonstrate understanding of instructional planning and delivery by providing standards-based, data-driven, differentiated instruction that engages students and makes learning relevant for today's learners.
- (c) Knowledge of Student and Student Learning. Grades 4-8 classroom teachers work to ensure high levels of learning and achievement outcomes for all students, taking into consideration each student's

- educational and developmental backgrounds and focusing on each student's needs.
- (d) Content Knowledge and Expertise. Grades 4-8 classroom teachers exhibit an understanding of content and related pedagogy as demonstrated through the quality of the design and execution of lessons and the ability to match objectives and activities to relevant state standards.
 - (e) Learning Environment. Grades 4-8 classroom teachers interact with students in respectful ways at all times, maintaining a physically and emotionally safe, supportive learning environment that is characterized by efficient and effective routines, clear expectations for student behavior, and organization that maximizes student learning.
 - (f) Data-Driven Practices. Grades 4-8 classroom teachers use formal and informal methods to assess student growth aligned to instructional goals and course objectives and regularly review and analyze multiple sources of data to measure student progress and adjust instructional strategies and content delivery as needed.
 - (g) Professional Practices and Responsibilities. Grades 4-8 classroom teachers consistently hold themselves to a high standard for individual development, collaborate with other educational professionals, communicate regularly with stakeholders, maintain professional relationships, comply with all campus and school district policies, and conduct themselves ethically and with integrity.

[PPR Standards, Grades 7-12](#) (TAC.19.7. Chapter 235.D.§235.61, a-g)

- (a) Grades 7-12 pedagogy and professional responsibilities (PPR) standards. The PPR standards identified in this section are targeted for classroom teachers of students in Grades 7-12. The standards address the discipline that deals with the theory and practice of teaching to inform skill-based training and development. The standards inform proper teaching techniques, strategies, teacher actions, teacher judgements, and decisions by taking into consideration theories of learning, understandings of students and their needs, and the backgrounds and interests of individual students. The standards are also aligned with the Commissioner's Teacher Standards in 19 TAC Chapter 149 of this title (relating to Commissioner's Rules Concerning Educator Standards).
- (b) Instructional Planning and Delivery. Grades 7-12 classroom teachers demonstrate understanding of instructional planning and delivery by providing standards-based, data-driven, differentiated instruction that engages students and makes learning relevant for today's learners.

- (c) Knowledge of Student and Student Learning. Grades 7-12 classroom teachers work to ensure high levels of learning and achievement outcomes for all students, taking into consideration each student's educational and developmental backgrounds and focusing on each student's needs.
- (d) Content Knowledge and Expertise. Grades 7-12 classroom teachers exhibit an understanding of content and related pedagogy as demonstrated through the quality of the design and execution of lessons and the ability to match objectives and activities to relevant state standards.
- (e) Learning Environment. Grades 7-12 classroom teachers interact with students in respectful ways at all times, maintaining a physically and emotionally safe, supportive learning environment that is characterized by efficient and effective routines, clear expectations for student behavior, and organization that maximizes student learning.
- (f) Data-Driven Practices. Grades 7-12 classroom teachers use formal and informal methods to assess student growth aligned to instructional goals and course objectives and regularly review and analyze multiple sources of data to measure student progress and adjust instructional strategies and content delivery as needed.
- (g) Professional Practices and Responsibilities. Grades 7-12 classroom teachers consistently hold themselves to a high standard for individual development, collaborate with other educational professionals, communicate regularly with stakeholders, maintain professional relationships, comply with all campus and school district policies, and conduct themselves ethically and with integrity.

TEXES Exam Framework Standards and Competencies (PPR Standards)
[PPR EC-12 \(Test 160\) All Standards, All Competencies](#)

Standard I

The teacher designs instruction appropriate for all students that reflects an understanding of relevant content and is based on continuous and appropriate assessment.

Standard II

The teacher creates a classroom environment of respect and rapport that fosters a positive climate for learning, equity and excellence.

Standard III

The teacher promotes student learning by providing responsive instruction that makes use of effective communication techniques, instructional strategies that actively engage students in the learning process and timely, high-quality feedback.

Standard IV

The teacher fulfills professional roles and responsibilities and adheres to legal and ethical requirements of the profession.

Technology Applications (in PPR assessment) Standard I

All teachers use and promote creative thinking and innovative processes to construct knowledge, generate new ideas, and create products.

Standard II

All teachers collaborate and communicate both locally and globally using digital tools and resources to reinforce and promote learning.

Standard III

All teachers acquire, analyze, and manage content from digital resources.

Standard IV

All teachers make informed decisions by applying critical-thinking and problem-solving skills.

Standard V

All teachers practice and promote safe, responsible, legal, and ethical behavior while using technology tools and resources.

Standard VI

All teachers demonstrate a thorough understanding of technology concepts, systems, and operations.

Texas Teaching Standards (TAC 19.2. Chapter 149.AA. Rule §149.1001)

In this course we will focus on all standards (1-6) of the Teacher Standards.

Standard 1

Instructional Planning and Delivery. Teachers demonstrate their understanding of instructional planning and delivery by providing standards-based, data-driven, differentiated instruction that engages students, makes appropriate use of technology, and makes learning relevant for today's learners.

Standard 2

Knowledge of Students and Student Learning. Teachers work to ensure high levels of learning, social-emotional development, and achievement outcomes for all students, taking into consideration each student's educational and developmental backgrounds and focusing on each student's needs.

Standard 3

Content Knowledge and Expertise. Teachers exhibit a comprehensive understanding of their content, discipline, and related pedagogy as demonstrated through the quality of the design and execution of lessons and their ability to match objectives and activities to relevant state standards.

Standard 4

Learning Environment. Teachers interact with students in respectful ways at all times, maintaining a physically and emotionally safe, supportive learning environment that is characterized by efficient and effective routines, clear expectations for student behavior, and organization that maximizes student learning.

Standard 5

Data-Driven Practice. Teachers use formal and informal methods to assess student growth aligned to instructional goals and course objectives and regularly review and analyze multiple sources of data to measure student progress and adjust instructional strategies and content delivery as needed.

Standard 6

Professional Practices and Responsibilities. Teachers consistently hold themselves to a high standard for individual development, pursue leadership opportunities, collaborate with other educational professionals, communicate regularly with stakeholders, maintain professional relationships, comply with all campus and school district policies, and conduct themselves ethically and with integrity.

Technology Standards

In this course, we will focus on Standards I – VII of [Technology Standards](#) from the Texas State Board for Educator Certification, 2016.

Standard I.

All teachers use and promote creative thinking and innovative processes to construct knowledge, generate new ideas, and create products.

Standard II.

All teachers collaborate and communicate both locally and globally using digital tools and resources to reinforce and promote learning.

Standard III.

All teachers acquire, analyze, and manage content from digital resources.

Standard IV.

All teachers make informed decisions by applying critical-thinking and problem-solving skills.

Standard V.

All teachers practice and promote safe, responsible, legal, and ethical behavior while using technology tools and resources.

Standard VI. All teachers demonstrate a thorough understanding of technology concepts, systems, and operations.

Standard VII. All teachers know how to plan, organize, deliver, and evaluate instruction for all students that incorporates the effective use of

current technology for teaching and integrating the Technology Applications Texas Essential Knowledge and Skills (TEKS) into the curriculum.

Other Expectations

As a part of your preparation for becoming a teacher, you are expected to begin acting in a professional manner – starting today. This includes, but is not limited to:

Internship Experience – Throughout your internship experience, ask your mentor teacher to provide you with constructive feedback regarding your classroom presence, interactions with students and lessons that you present to the students. Use this information to make necessary improvements during the time that remains in the schedule. Always conduct yourself in a professional manner.

Participation – It is not enough to just “show up”. In other words, you cannot just sit there and breathe. You need to be prepared to discuss the readings that are assigned, contribute appropriately and encourage the participation of your peers.

Preparation – Complete all assignments on time. Written assignments (whether submitted online or in class) will be discounted by 25% for each late day. Complete readings assigned prior to class in order to be able to participate in class discussions and activities.

Attitude – Demonstrate the following dispositions that are essential for learning:

- Curiosity (ask questions, look for additional answers, probe, reflect)
- Flexibility (take alternate points of view, be open-minded)
- Organization (plan ahead – literally, GET A PLANNER!)
- Patience (take time to reason, be persistent in efforts)
- Risk-taking (try things beyond your current repertoire)
- Passion (invest in ideas, processes, products, and most of all – other people)

Be aware that your attitude is conveyed to others by body language, conversation, neatness, completeness of work, willingness to assist and contribute and many other ways. A sense of humor and the ability to be flexible are crucial – not just in this class but from now on – that is the nature of the classroom.

Respect – Be considerate of others. Do not talk while others are talking; do not use foul language; behave in an ethical manner. This is particularly important considering our classroom location - we are guests in the Wichita Falls school district and should behave as such.

Professional Development – Remember that teaching requires a commitment to continual learning. You will be asked to complete several “chores” as the semester rolls along and the points earned for dispositions are affected by those “chores”. Timely completion of tasks (or “chores”) is an indication of your “fitness” to this profession.

Appendix B: Learning experiences at WCOE

Clinical experiences at the WCOE, including both initial clinical experiences (e.g. classroom observations) and clinical teaching, are an essential part of the professional preparation program. Clinical experiences vary across many WCOE undergraduate programs and are designed and implemented through collaboration with school district and community partners. WCOE teacher candidates gain essential knowledge, skills, and dispositions through observations and teaching opportunities in a wide variety of diverse settings (e.g. urban/rural, SES, special needs, race/ethnicity). WCOE believes in gradual release of responsibilities and exposes and evaluates teacher candidates throughout the program so as to provide them with the best learning experience. Below are the assessments that are used across courses and programs to effectively monitor teacher candidates’ progress.

Dispositions

Candidates in the teacher education program are evaluated on their dispositions towards the 10 InTASC standards three times (beginning, middle, end) during their program in Educational Psychology, Professional Methods Block A, and Clinical Teaching in the following areas:

- Candidates respect learners’ differing strengths and needs and are committed to using this information to further each learner’s development.
- Candidates believe that all learners can achieve at high levels and persist in helping each learner reach his/her full potential.
- Candidates are committed to working with learners, colleagues, families, and communities to establish positive and supportive learning environments.

- Candidates realize that content knowledge is not a fixed body of facts but is complex, culturally situated, and ever evolving. He or she keeps abreast of new ideas and understandings in the field.
- Candidates value flexible learning environments that encourage learner exploration, discovery, and expression across content areas.
- Candidates are committed to using multiple types of assessment processes to support, verify, and document learning.
- Candidates respect learners' diverse strengths and needs and are committed to using this information to plan effective instruction.
- Candidates are committed to deepening awareness and understanding the strengths and needs of diverse learners when planning and adjusting instruction.
- Candidates take responsibility for student learning and use ongoing analysis and reflection to improve planning and practice.
- Candidates actively share responsibility for shaping and supporting the mission of his/her school as one of advocacy for learners and accountability for their success.

Candidates are evaluated by faculty in those courses at a developing, beginning, and mastery level of competency as determined by the academic committee on program quality. The evaluation is based upon evidence gathered through classroom participation, assignments, observed field experiences and unit planning.

Data Literacy Assignment

Teacher candidates are expected to demonstrate the ability to interpret standardized test data and make instructional decisions based on the test data from students. At the conclusion of the Classroom Assessment/Assessment in PE, students will develop an understanding of assessment practices that enable them to accurately read and interpret testing data. In addition, teacher candidates will apply concepts learned in the course to explain what the data means and what, if any, interventions should be implemented for targeting specific groups of students. By identifying weak areas of conceptual understanding of their students, teacher candidates can create appropriate instructional strategies that lead to greater student success.

Lesson Planning

Teacher candidates must demonstrate the ability to plan, assess, and implement instruction. This begins in the Foundational block where the teacher candidates create and write lessons for effective teaching. Teacher candidates are required to develop lesson plans. The specific format can be adapted, but should always include the objectives (TEKS), procedures, materials/resources, and assessment. Student engagement is a key element in a good lesson with a goal of student learning/success is the ultimate goal.

Candidates must form an assessment strategy to determine the extent to which students are able to master learning of objectives. Candidates also describes the instructional delivery method addressing the following step-by-step procedures:

1. Questions and concerns listed in the directions given to you by your instructor
2. Setting purposes ("Today we will be...I want you to...because you will...")
3. Method(s) for engaging students in the lesson
4. Any questions asked during the lesson should be in bold
5. Higher order thinking reflected in questions
6. Instructional Strategies: Modeling, Discussion, "Hands-on", Inquiry, etc.
7. Grouping: when and how
8. Instruction that addresses learners' needs (ELLs, Special Education, 504, Gifted, Struggling Learner)
9. Closure

After teaching the lesson, candidates are then required to reflect on the lesson delivery, appropriateness of instructional strategies, impact for future planning, and opportunities for collaboration with mentor teacher. The skills acquired during lesson planning provides the foundation and are also built upon for unit planning and other key assessments.

Unit Plan

Teacher candidate's ability to demonstrate the ability to plan, assess, and implement instruction continues in the professional block with the Unit plan assessment. The unit plan assessment is a modified form of Midwestern Impact on Student Learning (MISL) that requires teacher candidates to plan a unit of teaching. Candidates are required to determine a set of multiple learning objectives aligned to state content standards Texas Essential Knowledge and Skills (TEKS) appropriate to the lesson(s) the candidate is preparing. This key assignment should be submitted in TK20.

Co-Teaching

WCOE adopts a co-teaching model for the candidates during their clinical experiences. These strategies include the following:

- One Teach, One Observe — One teacher has primary instructional responsibility while the other gathers specific observational information on students or the (instructing) teacher. The key to this strategy is to have a focus for the observation.
- One Teach, One Assist — One teacher has primary instructional responsibility while the other teacher assists students with their work, monitors behaviors, or corrects assignments.
- Station Teaching — The co-teaching pair divide the instructional content into parts and the students into groups. Groups spend a designated amount of time at each station. Of-ten an independent station will be used.
- Parallel Teaching — Each teacher instructs half of the students. The two teachers are addressing the same instructional material and present the lesson using the same teaching strategy. The greatest benefit is the reduction of student to teacher ratio.
- Supplemental Teaching — This strategy allows one teacher to work with students at their expected grade level, while the co-teacher works with those students who need the information and/or materials extended or remediated.
- Alternative/Differentiated Teaching — Alternative teaching strategies provide two different approaches to teaching the same information. The learning outcome is the same for all students, however the instructional methodology is different.
- Team Teaching — Well planned, team taught lessons, exhibit an invisible flow of instruction with no prescribed division of authority. Using a team-teaching strategy, both teachers are actively involved in the lesson. From a student's perspective, there is no clearly defined leader, as both teachers share the instruction, are free to interject information, and available to assist students and answer questions.
(Adapted from Cook & Friend (1995))

Midwestern Impact on Student Learning [MISL]

Successful completion and submission of a MISL portfolio is required during the first six weeks of clinical teaching. Teachers candidates are required to plan, implement, and assess student learning within a unit of study. The Midwestern Impact on Student Learning (MISL) measures content

knowledge, pedagogical knowledge, and effect on student learning in the following areas/domains: Learning Environments; Individual Development and Diversity; Collaboration; Planning Process and Content; Assessment; Strategies and Methods; Reflection; Professional Development; and Communication.

Each of the 10 areas is scored with one of 4 ratings: Exemplary 4, Competent 3, Needs Improvement 2, and Unsatisfactory 1. An overall score of 20 (meets expectations) is required for successful completion of student teaching for all teacher candidates.

The MISL is a record of candidates' ability to carefully consider all contextual factors that influence instruction and to then use those factors to plan and design a unit of instruction, including an assessment plan that can demonstrate changes in student knowledge, skills, or dispositions resulting from instruction. The MISL includes both reflexive (description of instructional decision making during the unit) and reflective components that encourage candidates to plan instruction strategically and to approach teaching in a purposeful, thoughtful, and methodical manner.

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