Teachers College Course of Study  
Domain: Mathematics Content (5-9)  
Sub-Domain: Part III: Number Systems & Algebraic Structures and Geometry & Measurement (NSC)

**Description:** This course outline presents the required sequence of activities to review the competencies in the subject areas of *Number Systems & Algebraic Structures* and *Geometry & Measurement*. Your competence will be assessed as you complete an objective exam, the NSC4 or NSC5. Once you score at the appropriate level of competence on the exam you will receive a PASS on your AAP for the NSC Assessment. Completing your assessments within the required timeline keeps you on pace for Satisfactory Academic Progress and Graduation.

**Subdomain Competencies:** The subdomain of NSC covers the competencies specified in the NSA and GEA Courses of Study.

**Required Learning Resources:** The learning resources required for this assessment are those listed in the NSA and GEA Courses of Study.

**Appropriate Calculator:** Most calculators may be used on the objective exam (NSC). Graphing capability is recommended, and programmability is acceptable. For example, the TI-82, 83, 83+, 84 and 84+ are recommended. No calculator containing a built-in Computer Algebra System (CAS, or “equation solver”) is allowed. Some examples include the TI-86, TI-89, TI-92, TI-94, Voyage 200, and HP-48, HP-49.

**PLEASE NOTE:** The resources you are using to master the competencies for this assessment will also be valuable as you as you prepare for future assessments, namely, the NSC objective exam, the Praxis II exam, and any state-mandated mathematics content exams. Therefore, we recommend that you complete each activity contained in this document.

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**Office Hours**
Monday, 9-5 pm, Eastern Time Zone  
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Wednesday, 12-8 pm, Eastern Time Zone  
Thursday, 9-5 pm, Eastern Time Zone  
Friday, 9-5 pm, Eastern Time Zone

**WGU Statement of Teaching Dispositions:** Western Governors University supports the development and demonstration of professional teaching dispositions throughout the course of its Teachers College (TC) licensure programs. All TC students and faculty will demonstrate the following dispositions described in the Teachers College's conceptual framework and code of ethics:

Competent and caring  
Respectful and embracing of diversity  
Reflective practitioners  
Equitable and fair  
Professional practice consistent with the belief that all students can learn  
Collaborative professionals  
Professional leaders and change agents

Please review the [<Teachrs College Code of Ethics>](#) found in the WGU Student Handbook.
WEEK #1

Subject Title: Four weeks before the NSC is scheduled

Subject Description: Begin reviewing all of the topics listed in the NSA and GEA Course of Study. Refer yourself for the NSC pre-assessment. If you haven’t already, take the pre pre-assessment found in www.coursecompass.com [Blitzer]. This contains PANS-like items without Geometry and serves as a great practice for the exam. Answers and guided solutions are provided. You may take this multiple times without need of a referral.

WEEK #2

Subject Title: Three weeks before the NSC is scheduled

Subject Description:
- There is only one version of the pre-assessment, so make your first attempt count
- Take the pre-assessment under genuine exam conditions
- You may use blank sheets of paper and an acceptable graphing calculator
- Allow yourself 60 minutes to complete the pre-assessment (there are 18 items)
  You should receive your results within three business days

WEEK #3

Subject Title: Two weeks before the NSC is scheduled

Subject Description:
- Review the pre-assessment results to identify areas where you need extra study time
- Find additional review problems in www.coursecompass.com [Blitzer] study skills check and take the practice quizzes with solutions to help in your review
- A passing score on the pre-assessment is 73% or higher
- Remember under testing conditions, you may score lower and it is good practice to score several points higher on the pre-assessment to increase the likelihood of achieving a passing score on the NSC exam

WEEK #4

Subject Title: One week before the NSC is scheduled

Subject Description:
- Continue to review for the exam
- Contact the course mentor for any questions
- Take care of your body by exercising, eating right, and getting plenty of sleep
  Avoid anxiety by knowing where to go and planning to show up early for the exam

Feedback

If you wish to provide feedback on this course of study, please contact Rob Duncan, Mathematics Program Coordinator, at rduncan@wgu.edu.