Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.
COURSE SYLLABUS

EDUC 668
TEACHING MATHEMATICS IN THE MIDDLE SCHOOL

COURSE DESCRIPTION
This course is designed to help middle school teachers improve the skills necessary to effectively teach mathematics in a timely yet God-centered manner.

RATIONALE
This course is designed to help middle school teachers improve the skills necessary to effectively teach mathematics in a timely yet God-centered manner.

I. PREREQUISITE
For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASE
Click on the following link to view the required resource(s) for the term in which you are registered: http://bookstore.mbsdirect.net/liberty.htm

III. ADDITIONAL MATERIALS FOR LEARNING
A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
C. Microsoft Word
   (Microsoft Office is available at a special discount to Liberty University students.)
D. ILRC Resources

IV. MEASURABLE LEARNING OUTCOMES
Upon successful completion of this course, the student will be able to:
A. Integrate Christian and professional principles throughout the course.
B. Develop effective standards-based on the characteristics and needs of the grade 6–8 students.
C. Utilize technology competencies for effective middle-grades mathematics teaching and learning.
D. Summarize professional organizations dealing with middle-grades mathematics teaching, along with journals published by those organizations.
E. Analyze research-based practices for improving mathematics instruction.
F. Articulate and demonstrate the meaning of student-centered mathematics.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings and lecture presentations

B. Course Requirements Checklist

After reading the Syllabus and Student Expectations, the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (2)

There will be 2 Discussion Board Forums throughout the duration of this course. The candidate is required to provide a thread in response to the provided prompt for each forum. Each thread must be 200–300 words and demonstrate course-related knowledge. In addition to the thread, the candidate is required to reply to 2 other classmates’ threads. Each reply must be 100–150 words.

D. Online Field Trip Forums (2)

There will be 2 Online Field Trip Forum assignments throughout the duration of this course. The candidate is required to analyze and summarize at least 2 online resources in each forum. Each thread must be a minimum of 200–300 words and demonstrate course-related knowledge. In addition to the thread, the candidate is required to reply to 2 other classmate’s threads. Each reply must be 100–150 words.

E. Reading Journal

The candidate will submit 8 entries to the Reading Journal throughout the duration of this course. Each module/week, the candidate will submit 2 entries to the Reading Journal. Each entry must be 200–300 words and summarize each chapter assigned from the textbook for that module/week. The Reading Journal entries will be graded periodically over 4 checkpoints throughout the course.

F. Article Critiques (4)

The candidate must research and select 4 scholarly journal articles related to teaching mathematics for grades 6–8. Two articles must be from scholarly practitioners’ journals and 2 articles from scholarly research journals. The candidate will write a 2-page critique for each of the 4 articles (4 critiques total).

G. Mathematics Game or Activity

The candidate will develop an “original” mathematics game or activity for a typical middle-school classroom that he/she teaches or plans to teach.

H. Instructional Planning, Performance, and Reflection (IPPR)

The candidate will prepare a mathematics lesson plan, for a typical middle-school classroom, using the IPPR lesson plan template provided in Blackboard. The mathematical topic must be appropriate for the grade level he/she is teaching or hopes to teach.
VI. **COURSE GRADING AND POLICIES**

A. **Points**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums (2 at 50 pts ea)</td>
<td>100</td>
</tr>
<tr>
<td>Online Field Trip Forums (2 at 50 pts ea)</td>
<td>100</td>
</tr>
<tr>
<td>Reading Journal</td>
<td>200</td>
</tr>
<tr>
<td>Article Critiques (4 at 75 pts ea)</td>
<td>300</td>
</tr>
<tr>
<td>Mathematics Game or Activity</td>
<td>100</td>
</tr>
<tr>
<td>IPPR</td>
<td>200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1010</strong></td>
</tr>
</tbody>
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B. **Scale**

- A = 960–1010
- A- = 940–959
- B+ = 920–939
- B = 890–919
- B- = 870–889
- C+ = 850–869
- C = 820–849
- C- = 800–819
- D+ = 780–799
- D = 750–779
- D- = 730–749
- F = 0–729

C. **LiveText Submission Policy**

All LiveText assignments must be submitted to LiveText in order for the candidate to receive credit for them in Blackboard.

D. **Late Assignment Policy**

If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.

Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week of the due date will receive a 10% deduction.
2. Assignments submitted more than one week late will receive a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the class will not be accepted.
4. Late Discussion Board threads or replies will not be accepted.

Special circumstances (e.g. death in the family, personal health issues) will be reviewed by the instructor on a case-by-case basis.

E. **Disability Assistance**

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.
# COURSE SCHEDULE

## EDUC 668


<table>
<thead>
<tr>
<th>MODULE/ WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
</tr>
</thead>
</table>
| 1            | Van de Walle et al.: chs. 1–2 | Course Requirements Checklist  
1 presentation  
Class Introductions | 10 |
|              |                  | Online Field Trip Forum 1  
Reading Journal Entries 1 and 2 | 0 |
| 2            | Van de Walle et al.: chs. 3–4 | Reading Journal Entries 3 and 4  
1 presentation  
Article Critiques 1 and 2 | 50 |
|              |                  |             | 150 |
| 3            | Van de Walle et al.: chs. 5–6 | DB Forum 1  
2 presentations  
Reading Journal Entries 5 and 6  
2 videos | 50 |
|              |                  |             | * |
| 4            | Van de Walle et al.: chs. 7–8 | Reading Journal Entries 7 and 8  
1 presentation  
Article Critiques 3 and 4 | 50 |
|              |                  |             | 150 |
| 5            | Van de Walle et al.: chs. 9–10 | Online Field Trip Forum 2  
1 presentation  
Reading Journal Entries 9 and 10 | 50 |
|              |                  |             | * |
| 6            | Van de Walle et al.: chs. 11–12 | Reading Journal Entries 11 and 12  
1 presentation  
Mathematics Game or Activity | 50 |
|              |                  |             | 100 |
| 7            | Van de Walle et al.: chs. 13–14 | DB Forum 2  
1 presentation  
Reading Journal Entries 13 and 14 | 50 |
|              |                  |             | * |
| 8            | Van de Walle et al.: chs. 15–16 | Reading Journal Entries 15 and 16  
1 presentation  
IPPR | 50 |
|              |                  |             | 200 |

**TOTAL** 1010

DB = Discussion Board

*The reading journal is a weekly assignment that will be graded at four checkpoints (Modules/Weeks 2, 4, 6, and 8).

**NOTE:** Each course week begins on Monday morning at 12:00 a.m. (ET) and ends on Sunday night at 11:59 p.m. (ET). The final week ends at 11:59 p.m. (ET) on Friday.