CPSE 462 - Tch Math to Stdnts w/Disablts
Spring 2015

Section 001: 341 MCKB on T Th from 1:00 pm - 3:50 pm

Instructor/TA Info

Instructor Information

Name: Gordon Gibb
Office Location: 340-G MCKB
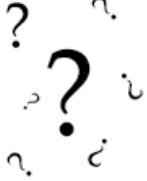**Office Phone**: 801-422-4915
Email: gordon_gibb@byu.edu

Course Information

Description

This course prepares participants to teach mathematics to students with disabilities. Participants will learn research-validated methods for assessment, planning, and explicit and cognitively-guided instruction for math skills and concepts.

Materials

Item	Price (new)	Price (used)
DESIGNING & IMPLEMENTING MATH INSTR ETC - *Required* by HUDSON, P	96.60	72.45

Grading Scale

Grades	Percent
A	95%
A-	91%
B+	88%
B	84%
B-	81%
C+	78%

C	74%
C-	71%
D+	68%
D	64%
D-	61%
E	0%

Learning Outcomes

Current mathematics research

1. Describe research and results for current mathematics research for National Council of Teachers of Mathematics standards.

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Focused and Survey Curriculum Based Assessment

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PLAAFP

3. Write Present Levels of Academic and Functional Performance (PLAAFP) statements and IEP goals based on informal assessment data.Create a scope and sequence of skills.

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IEP goals and objectives lesson plan

4. Write lesson plans to address IEP goals and objectives.

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Instruction presentation techniques

5. Demonstrate direct instruction presentation techniques.

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Data systems for monitoring student progress

6. Design data systems for monitoring student progress.

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Morningside Math lesson

7. Demonstrate one Morningside Math lesson, with data management

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Grading Policy

- All assignments are due in full on the date indicated.
- Assignments submitted one class period after the due date will earn up to 50% credit.
  Assingments will not be accepted more than one class date late.

Attendance Policy

You will earn 2 points for arriving to class on time, 1 point for arriving after the prayer, and 0 points for missing class.

Assignments

Assignment Description

Create CGI Counting and Cardinaltiy

| May 05 | Due: Tuesday, May 05 at 3:59 pm |

Teach CGI Counting and Cardinaltiy

| May 07 | Due: Thursday, May 07 at 3:59 pm |

Create CGI Measurement and Data

| May 12 | Due: Tuesday, May 12 at 3:59 pm |

Teach Measurement and Data

| May 14 | Due: Thursday, May 14 at 3:59 pm |

Midterm Exam

| May 19 | Due: Tuesday, May 19 at 12:00 am |

Create CGI Number and Operations in Base Ten

| May 21 | Due: Thursday, May 21 at 3:59 pm |

Teach CGI Numbers and Operations in Base Ten

| May 26 | Due: Tuesday, May 26 at 3:59 pm |

Create CGI Operations and Algebraic Thinking

| May 28 | Due: Thursday, May 28 at 3:59 pm |

Teach Operations and Algebraic Thinking

Jun 02	Due: Tuesday, Jun 02 at 3:59 pm

Re-teach 452 DI lesson

Jun 04	Due: Thursday, Jun 04 at 3:59 pm

Summer math units

Jun 09	Due: Tuesday, Jun 09 at 1:00 pm

Create two (2) summer math units based on your CBA assessment data. Use the assigned unit planning form and include a focus CBA for each unit. Submit unit plans to the instructor.

Create DI Numbers and Operations - Fractions

Jun 09	Due: Tuesday, Jun 09 at 3:59 pm

Attendance

Jun 11	Due: Thursday, Jun 11 at 1:00 pm

2 pts. awarded for each class fully attended. 1 pt. for arrival after class prayer.

Create DI Geometry

Jun 11	Due: Thursday, Jun 11 at 3:59 pm

Teach DI Numbers and Operations - Fractions VIDEO

Jun 13	Due: Saturday, Jun 13 at 11:59 pm

Categories	Percent of Grade
CGI Lesson Plans	21.13%
Exams	8.8%
Direct Instruction Lesson Plans	17.61%
Lesson Teaching	32.04%
Summer Unit Plans	10.56%

Attendance	9.86%

Schedule

Date	Topics	Text Reference	Assignments
Week 1			
T Apr 28 Tuesday	Introduction and overview Utah Math Common Core		
Th Apr 30 Thursday	Cognitively Guided Instruction (CGI) Math CBA for Practicum	Hudson Ch. 2	
Week 2			
T May 05 Tuesday	Counting and cardinality Problem solving	Hudson Ch. 6, 7	**Create CGI Counting and Cardinaltiy**
Th May 07 Thursday	Counting and cardinality		**Teach CGI Counting and Cardinaltiy**
Week 3			
T May 12 Tuesday	Measurement and data	Hudson Ch. 11, 12	**Create CGI Measurement and Data**
W May 13 Wednesday	**CBA assessment in practicum chools**		
Th May 14 Thursday	Score math CBAs Choose practicum units		Score math assessments, group students for summer Practice fluency program in class **Teach Measurement and Data**
Week 4			
T May 19 Tuesday	Measurement and data		
W May 20 Wednesday	**Sequence summer units with mentors**		
Th May 21 Thursday	Numbers and	Hudson Ch. 7, 8, 9	Draft summer math

	operations in Base Ten		units **Create CGI Number and Operations in Base Ten**
Week 5			
M May 25 Monday	**Memorial Day Holiday**		
T May 26 Tuesday	Numbers and operations in Base Ten		**Teach CGI Numbers and Operations in Base Ten**
Th May 28 Thursday	Operations and algebraic thinking	Hudson Ch. 8, 9, 13	**Create CGI Operations and Algebraic Thinking**
Week 6			
T Jun 02 Tuesday	Operations and algebraic thinking		**Teach Operations and Algebraic Thinking**
Th Jun 04 Thursday	Review direct instruction		**Re-teach 452 DI lesson**
Week 7			
T Jun 09 Tuesday	Numbers and operatons - Fractions		**Create DI Numbers and Operations - Fractions**
Th Jun 11 Thursday	Geometry		**Create DI Geometry**
Sa Jun 13 Saturday			**Teach DI Numbers and Operations - Fractions VIDEO**
Week 8			
T Jun 16 Tuesday	**Exam Preparation Day**		
Th Jun 18 Thursday	Final Exam: 341 MCKB 11:00am - 12:50pm		