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M 132.02: Numbers and Operations for Elementary School Teachers

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Math 132 (sec 2) Number and Operations for K-8 Teachers**Spring 2018**

Time: MWF 11:00 – 11:50
Place: LA 235
Instructor: Dr. Sriraman
Office: Math 301
Office Hours: MW: 12.00-12.50
Phone & E-mail: 243-6714; sriramanb@mso.umt.edu
Pre-Requisite: Open to elementary ed (or pre-ed) majors only.

Required Text: *Sybilla Beckmann: Mathematics for Elementary Teachers with Activities Plus New Skills (5th edition). Pearson. My Mathlab package is not required.*
Other material: Notebook, Folder, Calculator

Learning Outcomes

Upon completion of this course, a student will be able to:

- Explain the meanings of whole numbers, integers, fractions, and decimals, as well as representations of those numbers;
- Explain the meanings of operations and the connections between those operations, concepts, and procedures in doing computations (using both standard and nonstandard algorithms),
- interpret story problems, and write story problems;
- Evaluate the efficiency of and use various representations of numbers and operations, as well as their applications to problem solving;
- Employ various modeling strategies to solve problems in real world contexts;
- Recognize some common misconceptions and be able to understand the faulty reasoning behind those misconceptions;
- Explain their reasoning, both verbally and in writing, while solving problems.

Course Agenda: We will cover material from chapters 1-6.

Important Dates: For detailed Add/Drop dates refer to the appendix

| Date | Description |
|--------------------------------|---|
| Thursday-Friday, January 17-19 | New Student Orientation |
| Monday, January 22 | Spring Semester Classes Begin |
| Monday, February 19 | Presidents Day – No Classes, Offices Closed |
| Monday-Friday, March 26-30 | Spring Break - No Classes |
| Friday, May 4 | Last Day of Regular Classes |
| Monday-Friday, May 7-11 | Final Exams |
| Saturday, May 12 | Commencement |

Other Information: *Academic misconduct* is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. Academic misconduct is defined as all forms of academic dishonesty and the Student Conduct Code. In particular, Student Conduct Code Section IV.a.5 identifies the following violations: Submitting false information: Knowingly submitting false, altered, or invented information, data, quotations, citations, or documentation in connection with an academic exercise

Students with disabilities may request reasonable modifications by contacting me. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). “Reasonable” means the University permits no fundamental alterations of academic standards or retroactive modifications. For more information, please consult <http://www.umt.edu/disability>

Grading Distribution:

| | |
|------------------|-------------|
| Class Portfolio: | 60 (10 x 6) |
| Project: | 40 |
| 1 Mid-term exam | 100 |
| Final exam | 150 |

Total: 350

Grading Scale:90-100 A ; 80-89.9 B ; 70-79.9 C ; 60-69.9 D ; Below 60 F

You must earn a C- or better in this course to pass the requirement in the School of Education. You may change to Credit/No Credit up the last day of the class. Credit will be awarded to students earning a D- or better. However, if you choose this option the grade cannot be counted towards the School of Education requirement nor the UM graduation requirement

Endnotes:

Class Portfolio: There will be in class activities typically on Fridays (from the textbook). Over the course of the semester I will pick one activity from each chapter to be showcased in a portfolio. Have a folder in which you gather these. The portfolio will be collected towards the end of April.

Project: I will assign a project over Moodle, which will involve “story problems and the teaching of fractions”. Periodically supplementary materials will also be made available on Moodle. Stay tuned for more details.

Mid-terms and Final

One mid-term exam will be given in March. The final will be cumulative in the traditional sense. It will be longer than the mid-term exam and will feature some questions relating directly to material taught earlier in the course.

SOME “FREE” ADVICE

Factors that affect your grade

- Homework: There will be homework assigned on a regular basis, which will be reviewed periodically in class. It is your prerogative to keep up with the material.
- Attendance: Students are expected to attend class, and although class attendance is NOT a component of the course grade, absences will impact your performance since you will miss the material covered in the lectures. Late assignments will not be accepted.
- Make-ups: THERE ARE NO MAKE-UPS regardless of the reason. Exam make-ups will ONLY be given under special and extenuating circumstances, such as a death in the family or illness, provided that: a note from the Health Service or doctor is furnished by the student AND permission is given by me prior to the exam. The final exam is compulsory and no exceptions can be made about the date/time at which it is held- this is decided a priori by the University Administration.

The Final exam is scheduled from 10.10-12.10, May 10

Come to class, work hard, participate in the planned activities, and you will do well in this course.

Good luck and welcome to 132.

Official Dates and Deadlines for Spring Semester & Wintersession 2018

Instructional Days & Holidays

| Dates | Description |
|---------------------|--|
| January 2, 2018 | Wintersession classes begin |
| January 15, 2018 | Martin Luther King, Jr. Day Holiday – no classes, offices closed |
| January 19, 2018 | Wintersession Final Examinations |
| January 22, 2018 | Spring classes begin |
| February 19, 2018 | President’s Day Holiday – no classes, offices closed |
| March 26 – 30, 2018 | Spring Break – no classes |
| May 4, 2018 | Last instructional day of Spring |
| May 7 – 11, 2018 | Spring Final Examinations |

Registration, Adding, & Dropping Classes

| Dates | Description |
|-------------------------------------|---|
| Early October, 2017 | Spring Semester/Wintersession time tickets issued; advising numbers and class schedule available. |
| October 30 – November 3, 2017 | Spring Semester/Wintersession registration begins for continuing students according to class standing or special registration group . View your time ticket on CyberBear under Registration Notices for Spring Semester 2018. |
| November 4, 2017 – January 30, 2018 | Spring open registration continues on CyberBear. **Wintersession open registration ceases January 2 nd @5pm. |
| December 29, 2018 (5:00pm) | Last day to withdraw from all classes for Wintersession without “W”s on transcript <i>if not also registered for Spring</i> . Withdrawal forms available at the Registrar’s Office in 201 Lommasson Center or online. |
| January 2, 2018 (5:00pm) | Wintersession classes begin. Last day to add Wintersession classes via CyberBear without consent. |
| January 4, 2018 (5:00pm) | <ul style="list-style-type: none"> ✓ Last day to drop individual winter classes on CyberBear with refund/reduced bill + no “W” on transcript. (only partial refund if <i>not</i> taking Spring classes; “W”s on transcript per Semester Withdrawal policy) ✓ Last day to add Wintersession classes with Registration Override slip. ✓ Last day to change Wintersession credits in variable credit courses & switch grade mode in CyberBear. ✓ Last day to change Wintersession grading option to or from audit. |
| January 5 - 11, 2018 (5:00pm) | Through Wintersession Day 8: <ul style="list-style-type: none"> ✓ Wintersession course adds & drops require a Course Add/Change or Course Drop form with instructor’s signature. \$10 fee applies. ✓ A ‘W’ will appear on the transcript for dropped classes. No refunds. ✓ Students can change variable credit amounts and grading options (except audit) using a Course Add/Change form with instructor’s signature. |
| January 12 - 18, 2018 (5:00pm) | After Wintersession Day 8 through last day of Wintersession instruction: <ul style="list-style-type: none"> ✓ Wintersession adds require a Course Add/Change form with instructor’s signature. \$10 fee applies. ✓ Wintersession drops require a Course Drop form with instructor’s and Dean’s signatures. \$10 fee applies. ✓ A ‘WP’ or ‘WF’ will appear on the transcript for dropped classes. No refunds. ✓ Students can change variable credit amounts, or change grading options, (except audit) using a Course Add/Change form with instructor’s signature. |
| January 18, 2018 | Last day of Wintersession instruction. Last chance to make changes or withdraw from Wintersession by 5pm. |
| January 19, 2018 | Wintersession finals. |
| January 19, 2018 (5:00pm) | Friday prior to start of Spring classes: Last day to withdraw from <u>all</u> classes for Spring Semester without “W”s on transcript. See refund policy below. Withdrawal forms available at the Registrar’s Office in 201 Lommasson Center or online. |
| January 22, 2018 | Spring classes begin. |
| January 26, 2018 | Residency reclassification questionnaires for Spring 2018 due, though they can be accepted up to the 15 th Class Day. Earlier submission is encouraged to allow time for review and correction or to turn in missing documents. |
| January 30, 2018 (5:00pm) | Spring Class Day 7: Last day for students to add Spring classes via CyberBear without consent. |
| January 31, 2018 | Instructors must approve all Spring class adds via electronic Override on CyberBear or paper Override form . |
| February 9, 2018 (5:00pm) | Spring Class Day 15: <ul style="list-style-type: none"> ✓ Last day to drop individual Spring classes on CyberBear with refund + no “W” on transcript ✓ Last day to withdraw from Spring (drop all courses) with a partial refund; “W”s on transcript per Semester Withdrawal policy – see policy below ✓ Last day to add Spring courses with electronic Override on CyberBear or paper Override form. ✓ Last day to change Spring credits in variable credit courses & switch grade mode in CyberBear. ✓ Last day to change Spring grading option to or from audit. ✓ Last day to buy or refuse UM’s student health insurance coverage. |

| Dates | Description |
|--|--|
| February 9, 2018 (5:01pm) | Any student not registered for at least one course (on schedule in CyberBear) must submit a Petition to Register & Pay After the Deadline . Petitions are reviewed weekly by committee and are not guaranteed approval. |
| February 10 – April 2, 2018 (5:00pm) | Through Spring Class Day 45: <ul style="list-style-type: none"> ✓ Spring course adds & drops require a Course Add/Change or Course Drop form with instructor's & advisor's signatures. \$10 fee applies. ✓ A 'W' will appear on the transcript for dropped courses. No refunds. ✓ Students can change variable credit amounts and grading options (except audit) using a Course Add/Change form with instructor's & advisor's signatures. |
| April 2 – 6, 2018 | Autumn 2018 priority registration TENTATIVELY begins for continuing students according to class standing. See CyberBear Registration Notices or Registrar's Office website for the registration timetable in March. |
| April 3 – May 4, 2018 (by 5:00pm) | After Spring Class Day 45: <ul style="list-style-type: none"> ✓ Spring adds require a Course Add/Change form with instructor's & advisor's signatures. \$10 fee applies. ✓ Spring drops require a Course Drop form with instructor's, advisor's, & Dean's signatures. \$10 fee applies. ✓ A 'WP' or 'WF' will appear on the transcript for dropped classes. No refunds. ✓ Students can change variable credit amounts, or change grading options, (except audit) using a Course Add/Change form with instructor's & advisor's signatures. |
| May 4, 2018 | Last day of Spring instruction and last day to withdraw from Spring semester (drop all classes) by 5:00pm |
| May 7 – May 11, 2018 | Spring finals week. |
| May 12, 2018 | Commencement |
| May 15, 2018 | Faculty grades due to Registrar's Office by 11:59pm. |
| May 18, 2018 | Grades expected to post to Cyberbear on or around this date. |

Bill Payment & Cancellation Deadlines

| Dates | Description |
|-------|--|
| | Registration Bills available to view and pay on CyberBear at 1:00 p.m. |
| | Financial aid begins to disburse nightly to student accounts. Students must have met all financial aid requirements and completed the Registration Payment process before aid will disburse. |
| | First refund file processed for Spring Semester 2018. Refunds are processed on Tuesdays and Fridays throughout the term. Exceptions may occur due to holidays. Must have completed registration payment process and met all financial aid requirements for financial aid to disburse and refund to be issued. |
| | Students with financial aid who drop, add, change classes or withdraw from all classes may see an adjustment of their financial aid and may be required to repay a portion of it. Call (406) 243-2223 for info. |
| | 1st CLASS DAY OF SPRING SEMESTER 2018 All students are highly encouraged to pay their registration bill before the semester starts in order to access student services that are covered in the registration bill. |
| | 7th CLASS DAY OF SPRING SEMESTER 2018 Payment deadline (midnight) to avoid \$80 Late Registration Fee. |
| | \$80 Late Registration Fee assessed to students who have not paid their Registration Bill. |
| | \$80 Late Registration Fee in effect for all newly registering students! Newly registering students between January 31 & February 9, 2018 (Class Day 15) will automatically be assessed the \$80 Late Registration Fee. |
| | 15th CLASS DAY OF SPRING SEMESTER 2018 Payment deadline (midnight) to avoid additional \$80 Late Registration Fee. |
| | ADDITIONAL \$80 late registration fee (for a total of \$160) assessed to any unpaid student and those approved to newly register via the Petition to Register & Pay After the Deadline . |
| | PAYMENT DEADLINE for Spring Semester 2018. IMPORTANT! - If Financial Aid, VA Benefits, or any other funding is covering all costs (owe \$0 or negative balance), you must still click the "Pay Registration Bill" button in CyberBear. Failure to do this by the deadline will result in class cancellation. Print or save the confirmation screen for your records! |
| | Any student who has not completed the Registration Bill payment process will be cancelled. |

Deferred Payment Plan Deadlines

| Dates | Description |
|-------------------|---|
| January 30, 2018 | 1 st Deferred Payment Due. Students who do not meet this deadline risk removal from the Deferred Payment Plan (DPP) option. |
| February 16, 2018 | Deferred Payment Plan application will be available until 5:00 p.m. DPP application available in CyberBear (Payment and Account menu). A \$30 administrative fee will be charged. |
| March 1, 2018 | 2 nd Deferred Payment Due |
| March 2, 2018 | \$15 late fee charged if 2 nd DPP installment not paid in full |
| April 2, 2018 | 3 rd Deferred Payment Due (April 1 st is a Sunday.) |
| April 3, 2018 | \$15 late fee charged if 3 rd DPP installment not paid in full |
| May 1, 2018 | 4 th Deferred Payment Due |
| May 2, 2018 | \$15 late fee charged if 4 th DPP installment not paid in full |

Withdrawal Procedures & Refund Information

- ✓ **Withdrawal definition:** Dropping **all** courses in a semester after payment process is complete. “W”s appear on transcript if not withdrawn *prior* to the first instructional day of the term.
- ✓ Withdrawals cannot be done by dropping all classes on CyberBear. Students must turn in a [Semester Withdrawal form](#).
- ✓ Withdrawal forms must be **RECEIVED** by a Withdrawal Coordinator by **5:00 pm** on the deadlines listed below to receive appropriate refund of tuition & fees. More information on the [Student Accounts web page](#) or call (406)243-2223.
- ✓ **Wintersession:** if not attending Spring, see Student Accounts for possible partial refund before January 4.

| Withdrawal Deadlines | | | |
|----------------------------------|-------------|----------------------|---|
| January 19, 2018 by 5:00pm | 100% | On or before 1/19/18 | Withdrawing from <u>all courses</u> for Spring Semester 2018 is a 100% refund of tuition and fees. |
| January 26, 2018 by 5:00pm | 90% | 1/22 – 1/26/18 | Withdrawing from <u>all courses</u> for Spring Semester 2018 is a 90% refund of tuition and fees. |
| February 2, 2018 by 5:00pm | 75% | 1/27 – 2/2/17 | Withdrawing from <u>all courses</u> for Spring Semester 2018 is a 75% refund of tuition and fees. |
| February 9, 2018 by 5:00pm | 50% | 2/3 - 2/9/17 | Withdrawing from <u>all courses</u> for Spring Semester 2018 is a 50% refund of tuition and fees. |
| On or after February 10, 2018 | 0% | 2/10 or after | Withdrawing from all courses for Spring Semester 2018 on or after February 11, 2018 is a 0% refund of tuition and fees. |

Graduation Application Deadlines & Commencement Information

| Dates | Description |
|--------------------------------------|--|
| November 14, 2017 – March 5, 2018 | Spring 2018 Late Graduation Applications accepted with \$40 fee and additional \$15 late fee. Applications received after March 5 will be reviewed for the next term. |
| February 23, 2018 | Summer 2018 Graduation Applications Due – Department approved undergraduate degree applications for graduation are due with a \$40 application fee paid in treasury (Lommasson 237). <i>Applications should be submitted to departments 14 days in advance of this deadline.</i> |
| February 24 – June 4, 2018 | Summer 2018 Late graduation applications accepted with \$40 fee and additional \$15 late fee. Applications received after June 4 will be reviewed for the next term. |
| April 27, 2018 | Autumn 2018 Graduation Applications Due – Department approved undergraduate degree applications for graduation are due with a \$40 application fee paid in treasury (Lommasson 237). <i>Applications should be submitted to departments 14 days in advance of this deadline.</i> |
| April 28 – October 1, 2018 | Autumn 2018 Late Graduation Applications accepted with \$40 fee and additional \$15 late fee. Applications received after October 1 will be reviewed for the next term. |
| May 12, 2018 | Commencement Ceremonies for Spring 2018, Summer 2018, and Autumn 2018 graduates. More ceremony info will be available on Commencement web page as date approaches. |
| October 26, 2018 | Spring 2019 Graduation Applications Due – Department approved undergraduate degree applications for graduation are due with a \$40 application fee paid at treasury (Lommasson 237). <i>Applications should be submitted to departments 14 days in advance of this deadline.</i> |

For assistance or questions about dates and deadlines, please call the Registrar's Office at (406)243-5600 or email registration@umontana.edu.