MATH 661  GEOMETRY II

Line # 66160

SPRING 2016

• Your Professor:  Dr. Yasuyuki Kachi

( Associate Professor, Mathematics Department )

• Class Meeting:  TueThu  4:00–5:15pm, at  Snow Hall 454

• Kachi’s Course Webpage:

  http://www.math.ku.edu/~kachi/math16s-661/math16s-661.html

All the course materials  (except the content of the “suggested readings”) will be
posted in this site  (lecture notes, regular and extra homework sets, administered
quizzes, administered exams along with solutions). Also, all the important
messages from me to students will be posted in the same site. Please visit this
site at least once a day.

• [Important]

  I urge you to please read carefully the following three separate
documents [1], [2] and [3], in addition to the present document:

  [1] “Rules, policies and protocols – Student responsibility ”,
  [2] “Background information ”, and

• The document [1] addresses the issues which an official KU guideline* recommends
  all KU instructors to clarify to students, and it moreover provides some pertinent
  information. Being consistent with the same KU guideline, the document [1]
  highlights the following:

*Called “Keys to Civility”. downloadable at

https://documents.ku.edu/policies/Student_Affairs/Civility_Brochure.pdf
• Students’ responsibility.
• Policy on late assignments and make-up exams.
• Acceptable conduct during class / social boundaries.
• Guiding values of our classroom. o Mutual respect.
• Proper way of communication (e-mail protocol).
• Classroom interaction. o Feedback / Personalized attention.
• Academic misconduct policy. o Laptop and cell-phone use.
• Difference between ‘intellectual satisfaction’ and ‘instant gratification’.
• Liability for damage of the submitted papers.
• Whether activities not related to course work can be grounds for absence / reduced course work.
• Whether the following areas are subject to negotiation with students: contents and timing of exams and assignments, use of class time, grades.

In addition, [1] also highlights the scope of each of the following:

• Homework Hints. o Computer software.
• On-line Services. o Plagiarism. o Review sessions.
• Private tutors. o Recommendation letters. o Spectators.

• [2] provides information which (most) KU students don’t know about, which helps KU students to see why the current academic setting is the right one. It includes:
  o My academic background (my degree).
  o The dual role of KU professors in research and teaching.
  o A math professor’s day.
  o How our system in the United States differs from its counterparts overseas.
  o Respectability of academic jobs.

• [3] explains the policy about assignments, whether or to how much extent you can rely on computer in generating solutions for each problem in the assignments.
• **Kachi’s Office Hours** (Subject to change):

Tuesdays, and Thursdays; 1:00pm–2:30pm  (tentative).

• I accept appointment requests for office hours outside of the above hours. There is no guarantee that you and I will find a mutually convenient time to meet. Still, please email me and we will figure it out.

• **Kachi’s Office:**  622 Snow Hall

• **Kachi’s E-mail:**  kachi@ku.edu

• **Suggested readings:**

  ○ [a] *Modern Geometries, Non-Euclidean, Projective, and Discrete*, 2nd Ed.,
    by Michael Henle

  ○ [b] *Introduction to Topology and Geometry*,
    by Saul Stahl

  ○ [c] *Euclidean and Non-Euclidean Geometries*, 4th Ed.,
    by Marvin J. Greenberg

These are suggested readings. More details about the role of this book on the separate document “**Rules, policies and protocols**” (= [1] as cited above).

• **Prerequisite:**  Math 223 and Math 290, or equivalent.

• **Homework and quizzes:**  Assigned/administered on a regular basis. Please see the separate document “**Rules, policies and protocols**” (= [1] as cited above) about the homework/quiz drop policy.

• The timing of “in-class” quizzes will be **usually** announced ahead of time. However, there may be “pop in-class” quizzes. So, it is a good idea to always be alert and make sure to study the materials covered in class without delay. Some of the quizzes are “take-home” and have due dates.
• Testing:
There will be midterms exams, and a final. The first midterm has an “in-class” portion and “take-home” portion. Other exams are “take-home” only. **Final exam is optional.** “In-class” first Midterm will be administered during the regular class time (75 minutes). The date of the “in-class” part of the first midterm, as well as the due dates of the “take-home” exams, will be announced in due course.

• Grading scheme:

  **Attendance:** 200pts,  
  **Homework:** 200pts,  
  **Quizzes:** 200pts,  
  **Midterms:** 400pts,  
  **Final Exam:** Optional.

Thus, 1000 points are available. Your grand total score is calculated out of 1000 points.

• Conversion from the grand total to the letter grade

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>925–1000</td>
</tr>
<tr>
<td>A−</td>
<td>900–924</td>
</tr>
<tr>
<td>B+</td>
<td>875–899</td>
</tr>
<tr>
<td>B</td>
<td>825–874</td>
</tr>
<tr>
<td>B−</td>
<td>800–824</td>
</tr>
<tr>
<td>C+</td>
<td>775–799</td>
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<tr>
<td>C</td>
<td>725–774</td>
</tr>
<tr>
<td>C−</td>
<td>700–724</td>
</tr>
<tr>
<td>D</td>
<td>600–699</td>
</tr>
</tbody>
</table>

• As for make-up exam policy, please see the separate document “**Rules, policies and protocols**” (= [1] as cited above).

• Extra Credit Homework, Extra Credit Problems on Exams:

To give students some incentive, Extra Credit homework will be assigned. Also some extra credit problems will be included in exams. Any extra credit you may have incurred through these will be prorated by your attendance rate, in the course of determining your final letter grade.
• Seating, attendance polls:

Under some extraordinary circumstances I may dictate where you sit and/or spread the chairs out in the classroom in a certain way. That may likely happen on (though not limited to) the exam day(s). Otherwise you may sit in anywhere you like in the classroom. However, I will take attendance polls every day. A piece of paper will be circulated and you will be asked to sign your name. Please be reminded that attendance weighs twenty (20) percent of your grade, which means that if you (hypothetically) skip all the classes and just cram for exams, then you will not receive a letter grade better than B-.

• Enrollment-related notable dates.

1. January 25 (Mon).
   Last day to add and change sections on-line without written permission.

2. January 26 (Tue).
   Add/Change of section with written permission begins (off-line).
   Note: Permission rarely given.

3. February 8 (Mon).
   Last day to withdraw/drop without a “W”.

4. February 15 (Mon).
   Last day to add/swap a class.

5. April 18 (Mon).
   Last day to withdraw from a class or the university.
MATH 661 CALENDAR

The class meetings are on Tuesdays and Thursdays.


[Week #3] February 2, 4.

[Week #4] February 9, 11.

★ Midterm Exam I ("In-class"): Schedule TBA (Likely mid February).

★ Midterm Exam I ("Take-home"): Due date TBA  
(Around the same time as “In-class” Midterm I).

[Week #5] February 16, 18.


[Week #7] March 1, 3.

[Week #8] March 8, 10.

No class on March 15, 17 (Spring Break)

- The above only highlights the first half of the semester. The above is consistent with the university academic calendar. Second half (which starts March 22nd) schedule will also be consistent with the university calendar.

★ Information about the Midterm Exam – II and Final (Optional) will be released in the second half of the semester. Final Exam schedule and procedure will be in accordance with the university’s standard regulations and protocols.