

## Syllabus for SeLo2017, Spring (Sets & Logic)

**Math dept.:** 352-294-2350 *Pl. Put this in your phone.*

**Prof. Jonathan King:** squash@ufl.edu

**Prof. K office:** 402 Little Hall (Top floor, NE corner, “Maximize  $x$ ,  $y$  &  $z$ .”) 352-294-2314 When I am not in the office then it is best to email me, as I don’t remotely pick-up phone messages. For an important message [e.g. missing an exam] please **both email me and telephone the math secretary** at 352-294-2350, leaving a detailed message.

**Teaching:** squash.1gainesville.com/teaching.html

**Course:** squash.1gainesville.com/course.SeLo.2017g.html

**@UF:** <http://people.clas.ufl.edu/squash/>

**Math Dept.:** <http://www.math.ufl.edu/>

**Text:** *How to prove it, 2<sup>nd</sup> edition* by Daniel Velleman, ISBN: 978-0521675994. We’ll cover the entire text, chapters 1–9. Students will read chapters 1 & 2 on their own; I go over them quickly, but they are routine, and I will spend more class time on ideas.

We’ll do more on Infinite Sets than our text. We’ll also do a bit of graph-theory.

**Grades:** Three exams  $V$ ,  $W$ ,  $X$  and a (possibly optional) Final project,  $Y$ . Exams  $V$  &  $W$  (each about 300pts) will have a team take-home component, and an individual in-class component. Exam  $X$  (about 100pts) will be in-class. Some number of “pop” microquizzes, each 30pts.

IMPORTANT: I drop the lowest quiz grade. *There is no make-up for the first missed quiz, regardless of reason* (that is what the dropped-grade is for). For a later missed-quiz, a student *might* merit a make-up, given a valid reason.

Each month there is a CP (class participation) grade [45+45+45+25 for Jan Feb Mar Apr]. It is based on speaking in class and during office hours/appts., *posting to our Archive*, and in general helping the class to function well.

I will give you a written *course-grade estimate* no later than April 7<sup>th</sup>, the Withdraw date. (N.B: In computing course-grades, I may weight the exams/quizzes/CP slightly differently.)

**Your obligation:** If you are **registered** for my class (as opposed to auditing) then you have made an **obligation** to be here for all 42 class-days this semester, except for UF-acceptable reasons (illness, religious holidays, family emergencies, certain specific sports-

team events). *If you don’t want to make an obligation, then don’t register.* (Be aware that pop-quizzes are partly for attendance, and there will be a pop-quiz on the class-day before, and after, Spring Break.)

**The SeLo Archive:** This is a private URL and address that I will email to each student once Add/Drop has completed. You *read* the Archive by pointing a browser at the URL. You *post* to our Archive by emailing your mathematics to the address.

Consider our Archive as a SeLo Wikipedia that *you* will be building during the semester, for everyone in class to use. (It is not a chat room. I’ll email out a classlist for chatting, but our Archive is for mathematics.)

**Class-photo day:** Wedn., 11Jan. If you want to be in a photo, then please prepare a name-card (I’ll explain this in class).

**Letters-of-recommendation:** If you wish a LOR from me, you need to have taken **two** classes with me (with an occasional exception for a Special-Topics course, e.g. the NT & CRYPTOGRAPHY course). **In addition**, for a LOR I need to be able to write about how you “think on your feet”, so I need you to speak often in class and/or office hours.

**Prof. K’s Date-dyslexia:** While I am American, the american way of writing dates, e.g 01/02/03 makes no sense to me. When writing to me or posting to the Archive, *always* use a word for the month, never a number. Write dates as Jan.20 or 20Jan. or January 20 or 20 January or similar. If you put in a year, *always* use **all-4-digits**. E.g 20 Jan.2017 or 2017 Jan.20 or Jan. 20, 2017, or similar.

### SeLo Dates

**Mon., 16Jan:** MLK Day, no class.

**Tue., 24Jan:** Hm-V PDF available in evening.

**Mon., 30Jan:** Hm-V due at BoC.

**Wed., 01Feb:** Cl-V [done individually in class].

**Tue., 21Feb:** Hm-W PDF available in evening.

**Mon., 27Feb:** Hm-W due at BoC.

**Wed., 01Mar:** Cl-W.

**Sat.-Sat. 4-11 March:** Spring Break.

**Wed., 29Mar:** Cl-X.

**Fri., 07Apr:** Withdraw date. I will give you a course-grade estimate on or before this date.

**Thu., 13Apr:** (Possibly optional) Individual Selo Project (ISP) PDF available, in the evening, for you to print.

**Wed., 19Apr:** Last day class, *Games Party*.

**Thu., 20Apr:** ISP due by noon, slid under my office door, 402 Little Hall.

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