

## Syllabus for SeLo2018, Autumn (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 [May change due to the renovation.] 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.2018t.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 Number Theory.

**Grades:** Three exams  $A$ ,  $B$ ,  $C$  and a (possibly optional) Final project,  $D$ . Exams  $A$  &  $B$  (each about 300pts) will have a team take-home component, and an individual in-class component. Exam  $C$  (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 [50+45+50 for Aug+Sep Oct Nov+Dec]. It is based on speaking in class and during office hours/appts., *posting to our SELO ARCHIVE*, and in general helping the class to function well.

I will give you a written *course-grade estimate* no later than Nov. 19<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 class-days this semester, except for UF-excused 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.)

**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., 29Aug2018. 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.2018 or 2018 Jan.20 or Jan. 20, 2018, or similar.

---

**SeLo 2018-Autumn Dates**

---

**BoC** = “Beginning of Class”.

**ATMP** = “All Team-Members Present”.

**Wedn., 29Aug:** Class-photo/Microquiz.

**Frid., 31Aug:** Microquiz.

**Labor Day:** Mond., 03Sep. (*No class*)

*Rosh Hashana:* Mond., 10Sep.

*Yom Kippur:* Wedn., 19Sep.

**Evening, Thur., 20Sep:** Home-A PDF available.

**Mond., 24Sep:** Home-A **due, BoC** with ATMP.

**Wedn., 26Sep:** Class-A.

**Evening, Tues., 16Oct:** Home-B PDF available.

**Mond., 22Oct:** Home-B **due, BoC** with ATMP.

**Wedn., 24Oct:** Class-B.

**UF Homecoming:** Fri./Sat., 2,3Nov. (*No class*)

**Veterans Day:** Mond., 12Nov. (*No class*)

**Wedn., 14Nov:** Class-C.

**Mond., 19Nov:** UF withdraw/Microquiz.

**Thanksgiving:** 21-24Nov., Wed.-Sun. (*No class*)

**Mond., 26Nov:** Microquiz.

**Evening, Thur., 29Nov:** Proj-D PDF available.

*Last class & Games Party: Wedn., 05Dec.*

**2PM, Thur., 06Dec:** Project-D **due by 2PM**, slid completely under my office door, 402 Little Hall.

---