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.past.html#C2018t

@UF: http://people.clas.ufl.edu/squash/

Math Dept.: http://math.ufl.edu/

Text: *How to prove it, 2nd 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. 19th, 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 eddress 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 eddress.

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*)

Fri., 16Nov: 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.