

Spring 2021: Syllabus for Plex

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For all of my courses

[Info specifically for **Complex Vars** starts on the next page.]

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Due to COVID, most office-hours will be via Zoom. As I am a senior citizen and my wife is a caregiver for our 103-year-old neighbor, we are especially cautious concerning COVID.

Teaching will take place in our classroom (not remotely), with the hope that most folks are vaccinated and mask-wearing. For in-class exams, if necessary we may use multiple classrooms, so that students feel comfortable with social distancing. *Class attendance is required, and is part of a student's CP, Class participation, grade.*

If UF changes policy about Zoom-teaching from home, then this will change how exams are administered and CP.

2nd-day Rosh Hashana is on Sept.8, 2021. We will *not have class* that day; rather, I will make a Zoom-async (you can view at your leisure) available sometime on Sept.9.

While unlikely, I might need to replace a class day by an async later in the semester.

Contacting Prof.K. If you need to get an important message to me (e.g, you'll be missing an in-class exam), it is *particularly important* that you **email me from your UF address** as soon as possible; preferably several weeks or days before the exam; several hours before, if you didn't know in advance.

I do *not* pick up office phone messages remotely, so it is important that you email me. If urgent, you should also tel. the math dept, **352-294-2350**, and they can contact me at home. The secretaries can also put a note in my mailbox if you request it. [All these tel.numbers are *wired phones*; they do not take text-messages.]

IMPORTANT: I will primarily use **email** for contacting students, *not* Canvas-mail. I ask that students read email *at least* twice a day morning/evening (excepting for religious observance).

IMPORTANT: Students will be typesetting solutions to problems and will need a real **computer**; a cellphone does not suffice. Also, students will need access to a **printer**, as some of the typeset assignments will need to be handed-in on paper (not electronically).

As most office-hours will be via Zoom, students will need Zoom-capability.

Prof.K's clickable links:

- **Teaching Page** <http://squash.1gainesville.com/teaching.html> Has important info for *all* my courses. Gives links to *Putnam competition*, *Robert Long essay competition*, links to the free mathematical typesetting language $\text{T}\text{E}\text{X}/\text{L}\text{A}\text{T}\text{E}\text{X}$.

The Teaching Page also has an extensive list of:

Usually Useful Pamphlets.

- **Course Page: Plex** <http://squash.1gainesville.com/course.Plex.2021t.html> has links to previous versions of our course, which contain all of my previous exams for your studying pleasure!

- **Prof. King's page at @UF** <http://people.clas.ufl.edu/squash/> has a link to a description of the *Robert Long essay competition*. However, for coursework, I use the above Teaching Page and Course Page.

- **Prof.K schedule & office hours** <http://squash.1gainesville.com/info.jksched.html>

- **Math Dept. homepage** <http://www.math.ufl.edu/>. Searchable. A wealth of information on applying to grad school, seminars, conferences, faculty,staff,grad listings, tutors for hire.

University resources, clickable:

- * **UF syllabus policy** <https://people.clas.ufl.edu/squash/univ-syllabus-policy/>
- * **Accommodation for students with disabilities** <https://disability.ufl.edu/students/get-started/>
- * **UF Teaching Center** <https://teachingcenter.ufl.edu/> Broward Hall:
352-392-2010, 352-392-6420.
- * **Writing Studio** <https://writing.ufl.edu/writing-studio/> 2215 Turlington,
352-846-1138.
- * The UF **Help desk** <http://helpdesk.ufl.edu/> 352-392-4357.
- * **End-of-Semester student evals of professors** <https://gatorevals.aa.ufl.edu/students/>

LOR: Letter-of-recommendation. I base LORs substantially on how a student "thinks on his/her feet"

I require **two** courses with me, at least one of which is *proof-based*, as well as the student actively participating in class. (Occasionally, one course may suffice if it is a **graduate course** or a **Special Topics** course, e.g, my MATHEMATICAL CRYPTOGRAPHY course.)

Microquizzes. There will be some number of “pop” (unannounced) microquizzes (**MQ**), each worth **30**points. These will never occur on religious holidays; please **email** of all such religious dates by the first Wedn. after Add/Drop.

Usually, a pop-quiz has a single, easy question. I use them partly for attendance, and checking that an idea from the previous class caught on.

IMPORTANT: I *drop* the lowest microquiz score. AND: There is **No makeup** for the first missed MQ, regardless of reason; that is what the dropped-score is for.

If a 2nd MQ is missed, I may give a make-up, if there was an emergency or if I knew in advance (e.g, you are giving a talk at a conference, and you let me know well in advance). □

Class Archive. We will all use our **Plex Archive**, a LISTSERV, to communicate to the whole class, Once Add/Drop has ended, I will email out the posting/reading instructions on how to use the **Plex Archive**, Students will be posting solns to problems, as part of their CP (Class Participation) grade.

Canvas. Canvas will be used for recording grades, but not much else. We will primarily use *email* and our class Archive (a LISTSERV) to communicate with each other outside of class.

Abbreviations. MQ, Microquiz. OH, Office-Hour. CP, Class participation. IP, Individual Project. IOP, Individual Optional Project.

Specific Plex information:

Course/Room/time. The two course-names are MAA4402 8436 (15961) Functions Complex Var.

MAA5404 8442 (15579) Intro Complex Var.

The class meets in **Little Hall room 223**, on the North side of the West wing, 2nd-floor.

Class meets MWF at **6th period**, 12:50-13:40, i.e 12:50PM to 1:40PM.

Textbook. Our text is **Complex Variables and Applications**, 9th edition by **Ward Brown** and **Ruel Churchill**.

Further text info at

Course Page: Plex

<http://squash.igainesville.com/course.Plex.2021t.html>

Our goal is to cover a subset of chapters 1-7 of the text, including elementary applications of the *Residue calculus*.

CP grades.

45pts: For each of Sept., Oct., Nov. for **CP**, **Class participation**, based on speaking in class, attending (probably via **ZOOM**) OHs, and especially posting solns to non-trivial problems to our Archive. An average grade is **20**. For *exceptionally* active students, I may give a grade a bit higher than **45**.

MQ grades. Each microquiz is **30**pts. Typically, MQs are not announced. A MQ usually has a single, routine, question. The *lowest MQ score* is dropped; there is *no makeup* for the first missed MQ.

Exams. Currently I am planning 3 in-class exams, and an end-of-semester take-home Individual Project (**IP**). The Project *may* be optional; I will decide that later in the semester.

Tentative dates for in-class exams for Autumn 2021:

Exam V: Either **Wedn., 22Sep** or **Wedn., 29Sep**.

Exam W: **Wedn., 27Oct**

Exam X: **Wedn., 17Nov**

Project (possibly optional): Due either **Wedn, 08Dec** or **Thu, 09Dec**. I will give an *estimate* of current course-grade by the withdraw date of **Monday, 22Nov2021**.

Sincerely, Prof. King