

Welcome to Aut2018: MAP2302 3228 Elem.Diff.Eqns MWF7 [13:55-14:45] LIT127 (NW)

[This is a Preliminary Syllabus; small changes may have to occur during the semester.]

Math dept. tel.: 352-294-2350 << IMPORTANT
 Prof. Jonathan King squash@ufl.edu (address)
 If you need to get an important message to me (e.g, you'll be missing
 an exam), then BOTH email me and have the secretaries
 put a note in my mailbox, by telephoning 352-294-2350.

My Office: 402 Little Hall (Top floor, NE corner) 352-294-2314
 "Maximize x , y and z ."
 If I am not in the office then it is best to EMAIL me, as I don't
 remotely pick-up phone messages. Current office hours (may change during the
 semester),

TEXT: "Fundamentals of differential equations and boundary value problems"
 9th ed., by Nagle, Saff and Snider. Addison-Wesley (Pearson), NINETH edition.

```

/-----\
TEACHING PAGE:      http://squash.1gainesville.com/teaching.html
Course-webpage:     http://squash.1gainesville.com/course.DfyQ.2018t.html
Quick-links:  http://squash.1gainesville.com/M/h.html
Prof. King @UF:     http://people.clas.ufl.edu/squash/
Math Dept.:  http://www.math.ufl.edu/
OFFICE HOURS:  Mondays & Wednesdays 8th period [15:00-15:50] and by appt.
                OHs may change a bit during the semester.  They are on
                http://squash.1gainesville.com/info.jksched.html
\_____ /

```

Letters-of-recommendation (LORs): I base LORs substantially on how a student
 "thinks on his feet". Need /TWO/ courses with me, at least one proof-based

```

/---- DfyQ SYLLABUS -----\
My PDF notes [on course-webpage], as well as
Chapters 1, 2, 4, 6, 7 and the matrix-exponential method off solving
systems of DES from

```

"Fundamentals of differential equations and boundary value problems"
 by Nagle, Saff and Snider, 9-th Edition, Addison-Wesley (Pearson).

We'll cover Differential-Ops, complex numbers, and convolutions earlier than the textbook.
 There is a private DiffyQ Archive page, for us to communicate with each
 other. I will email you the URL.

```

\_____ /

```

```

/---- GRADES: The number of points below are /approximate/ --\
Three in-class exams, each approx. 200 points.

```

CP (class-participation) points come from: Attendance, speaking in
 class, helping fellow students, office hours, Posting to our Archive.
 approx. 45points for each month.

There will be some small number of "pop" (unannounced) microquizzes, each
 worth 30points. These will never occur on religious holidays; please
 >> EMAIL of such holidays by Sunday, 26Aug2018. <<

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 quiz; that is what the dropped-score is for.
 (The first microquiz will be Wednesday, 29Aug2018.)

Under /rare/ circumstances, I /may/ give you a makeup for a later missed quiz, if you have a good reason for missing.

There is always a microquiz on the classday after each exam day.

/---- More Grades: -----\

- * There will be 3 exams, each approximately 200points.
- * Some number of microquizzes (each 30points).
- * A CP (class-participation) grade for each month (approx. 45points);
CP grade is based on posting to our Archive, on class attendance,
on lively participation in class.
- * An /Optional/ Project at the end of the semester. My class has no final exam.

I will give a a written course-grade estimate no later than the morning of the withdraw date, and (hopefully), the Friday before. The estimate assumes that you continue to do well on the remaining microquizzes, and continue to post to the our Archive.

There is /no/ final exam. Rather, there will be an /Optional/ Individual Final-Project, that must be typed. It can lift your grade by "one click"; a grade of "B" could become a "B+", or stay a "B".

HOMEWORK: I do not collect written HW. Rather, a substantial part of your CP grade comes from your posting solutions to the Archive, in complete, grammatical sentences. These are not typically assigned; it depends on your own energy and motivation.

I will email the URL of the Archive to each student.

/-----\

DfyQ exams are in-class, calculatorless, closed-book but Open Brain

In general, microquizzes are "pop" (unannounced) tiny quizzes, but a few are scheduled, below. I drop the lowest microquiz score. There is no-makeup for the first missed microquiz. With appropriate documentation, there /may/ be a makeup for a later missed microquiz.

NOTE: Occasionally, an exam needs to be moved to the following classday if we get behind in material. Also, the classday after an exam-day will always have a microquiz.

NOTE: Occasionally exam-dates need to be moved. Do not make travel plans for the classdays before and after the exam-date!

* Class-photo/Microquiz	Wedn., 29Aug.2018
* Microquiz	Frid., 31Aug.
(Labor Day)	Mond., 03Sep.

(Rosh Hashana)	Mond., 10Sep.
(Yom Kippur)	Wedn., 19Sep.

* EXAM-S:	Wedn., 26Sep.
* Microquiz	Friday, 28Sep.

* EXAM-T:	Wedn., 17Oct.
* Microquiz	Friday, 19Oct.

(UF Homecoming)	Frid./Sat., 02-03Nov.
-----------------	-----------------------

(Veterans Day) Mond., 12Nov.
* EXAM-U: Wedn., 14Nov.
* Microquiz Frid., 16Nov.

UF withdraw/Microquiz: Mond., 19Nov.
Thanksgiving: 21-24Nov. (Wed.-Sund.)

* Microquiz Mond., 26Nov.

* (Optional) Proj-V PDF avail.: Evening, Thursday, 29Nov2018
Last day class & Games party: Wednesday, 05Dec2018
* (Optional) Project-V due: 2PM, Thursday, 06Dec2018
_____/

IMPORTANT: Please check these dates to let me know (right away) of a conflict, e.g, a major religious holiday that I missed.