

# Syllabus for Linear.Algebra.1

S2016: MAS4105 14G8

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## \*Preliminary Syllabus\*

Welcome to S2016 MAS4105 14G8 Linear.Algebra.1 MTWF4 LIT217 (SW)

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Math dept. tel.: 352-294-2350

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. In addition, you may telephone the secretaries at 352-294-2350 and they can contact me at home.

OFFICE HOURS: These may change during the semester. Currently:

M,W.: 5th period [11:45-12:35]

M: 5th period [11:45-12:35]

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PREREQUISITE: MAC 2313 or 3474 (Calculus 3) and either MAS 3300 (Numbers and Polynomials) or MHF 3202 (Sets and Logic)

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TEACHING PAGE: <http://squash.1gainesville.com/teaching.html>

Course-webpage: <http://squash.1gainesville.com/course.LinA.past.html#C2016g>

Quick-links: <http://squash.1gainesville.com/M/h.html>

Prof. King homepage: <http://people.clas.ufl.edu/squash/>

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

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/---- LinA Material -----\

TEXT: "Linear Algebra" (4th edition),

Authors: Friedberg, Insel, Spence. ISBN: 978-0130084514

Year: 2003 Publisher: Prentice Hall

We will cover chapters 1-6, adjoining certain topics not in the text, and skipping some. (We will skip 6.9, 6.10 "Special theory of Relativity" and "Rayleigh Quotient")

My lectures will COMPLEMENT the text, rather than parrot it.  
 I EXPECT MY STUDENTS TO READ THE TEXT INDEPENDENTLY.  
 There will be reading assignments from WIKIPEDIA and other online sources.  
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/---- GRADES: The number of points below are /approximate/ --\  
 \* Three in-class exams, each approx. 200 points.  
 \* 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 THIS WEEK.

Usually, a pop-quiz has a single, easy question. I use them primarily for attendance, or 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.

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

I usually give a microquiz /the classday after an exam day.

- \* 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  
 > Friday, April 8, 2016, the withdraw date.

There is /no/ final exam. Rather, there will be an /Optional/ Individual Final-Project, that must be typed. It can lift or lower your grade by "one click"; a grade of "B" could become a "B+", or stay a "B" or, if the project is terrible, drop to a "B-".  
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HOMEWORK: I do not collect written HW. Rather, a substantial part of your CP grade comes from your posting solutions to the Archive. These are not typically assigned; it depends on your own energy and motivation.

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

/---- VID: Very Important Dates -----\  
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Class photo day is Wednesday, 13Jan2016, in class. If you want to be in a photo, look sharp!

Cl-C : Tuesday, 09Feb2016  
Cl-D : Wednesday, 16Mar2016  
Cl-E : Tuesday, 05Apr2016

The Individual Optional Project will be posted the evening of, no later than Thursday 14Apr2016. For folks who chose to do the IOP, it is due by

on Thursday, 21Apr2016,  
slid under my office door, 402 Little Hall.

Let me know immediately (via EMAIL) of any date-conflicts that you have, religious holidays, court dates.  
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