FORMAT 2

Submit originals (including syllabus) and one copy and electronic copy to the Faculty Senate Office

...IRSE/MAJOR) and DROP COURSE

...g a course

Prepared by | Carl Tape | Phone | X5456

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...COURSE IDENTIFICATION: As the course now exists.

Dept | GEOS | Course # | 627 | No. of Credits | 3

COU...

TITLE | DESCRIPTION | NUMBER

...TES* | FREQUENCY OF OFFERING | PREREQU...

*Prereq...

...isites will be ...ed before a student is allowed to enroll in ...

...lution) | 3 (2+3) | COUR...

...low will it ...

...ll be reviewed by the (Undergraduate) Curricular Review Committee and by t... du...

...FORMAT

NOTE: C... ...Large ...propriate Faculty Senate curric...

...um committee. ...must be approved by the appropriate Faculty Senate curric...

...Furthermore, any core course compr... ...ess than six weeks must be ap...ved by the Core ...

...Review Committee.

4. COURSE CLASS

for the baccalaureate

IF YES, check which core requirement it could be used to fulfill:

O = Oral Intensive, W = Writing Intensive, *Format /

*Format/Index subject

How many times may the course be repeated for credit?

TIMES

signments and [illegible] final laboratory exercises require familiarity with linear algebra and computational tools such as MATLAB. Prerequisites: MATH [illegible] and [illegible]

Total possible points: 2250-2625

(3+0), with two 1.5-hour lectures. But, as previous

Date

THE GOVERNANCE OFFICE

Date

Date

Date

[redacted]

QUICK REFERENCE: Section 8 contains the calendar of topics and deadlines.

Last compiled: August 4, 2014

1. **Course information.**

[redacted]

algorithms, for approaching inverse problems. The training should benefit all students in natural sciences who are seeking inferences from data.

Catalog description: An inverse problem uses observations to infer properties of an unknown

8. **Course calendar (tentative).**

Day	Date	Topic	Reading Due†	Homework Due	Homework Assigned
Thurs		overview of inverse problems	A1	—	HW-1
Tues		review of linear algebra	A-A, `matrix_fun.pdf`		
Tues		LAB: Linux and Matlab			
Thurs		review of linear algebra	A-A	HW-1	HW-2
Tues		Taylor series and least squares	`taylor.pdf`		
Tues		LAB: least squares (`lab_linefit.pdf`)			
Thurs		Taylor series and least squares	T3, A-C	HW-2	HW-3
Tues		Taylor series and least squares			

Some Important Dates:

First class:	Thursday	January 15
Last day to add class:	Friday	January 23
Last day for student- or faculty-initiated withdraw:	Friday	March 13
Last class:	Thursday	April 30
Final project report:	Friday	May 1
Final project presentation:	Tuesday	April 28
	Thursday	April 30

9. **Course policies.**

   (a) **Attendance:** All students are expected to attend and participate in all classes.

   (b) **Participation and preparation:** Students are expected to come to class with assigned reading and other assignments completed as noted in the syllabus.

   i. All assignments are due **at the start of class** on the due date.

   ii. Late assignments will be accepted with a 10% penalty per day late, up to five days late; an assignment that is ≥ 5 days late will receive a zero. (An assignment that is "one day late" would be handed in less than 24 hours after the start time of class on the due date.)

   iii. No digital submission of assigments will be accepted.

   Homework Tips: Please type or write neatly, keep the solutions in the order assigned and staple pages together. Include only relevant computer output in your solutions (a good approach is to cut and paste the relevant output for each problem into an editor such as Word or Later)

10. **Evaluation.**

(a) Grading is based on:

80%	Homework assignments