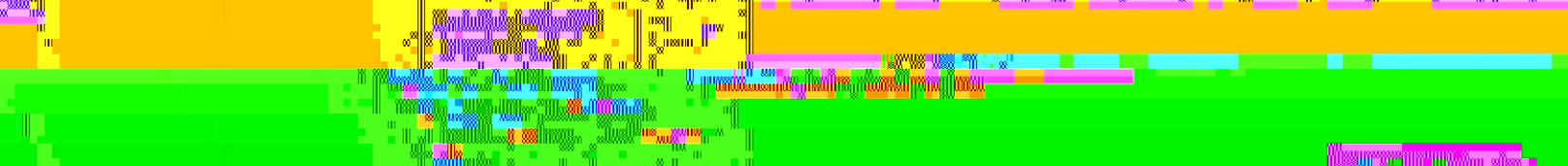
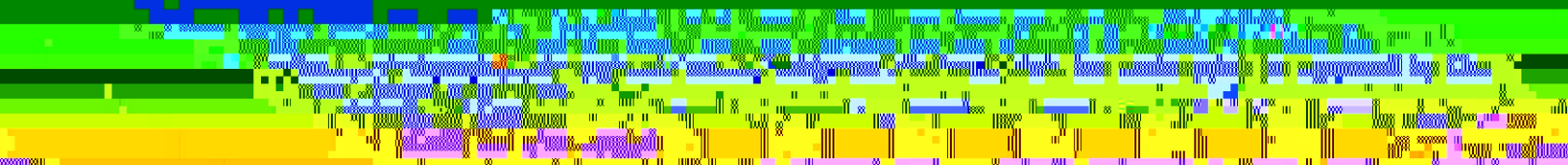
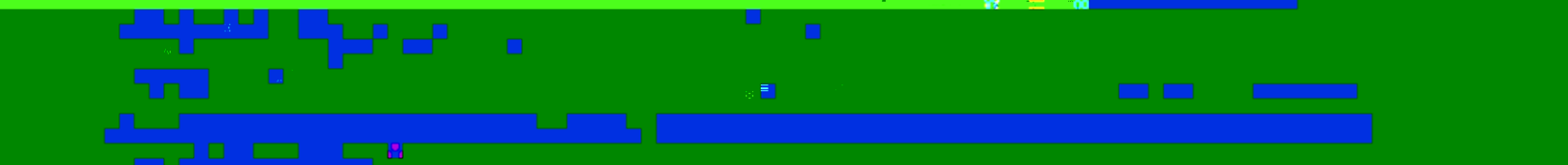
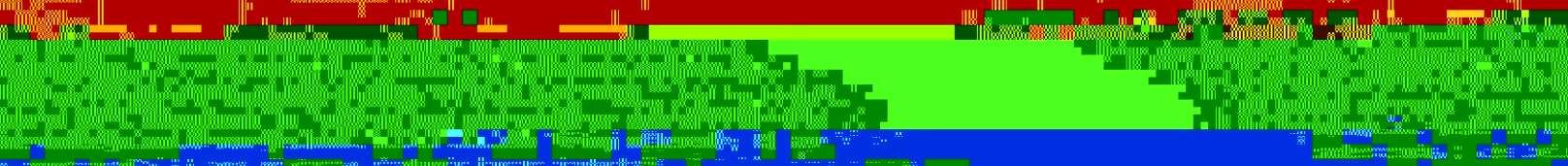
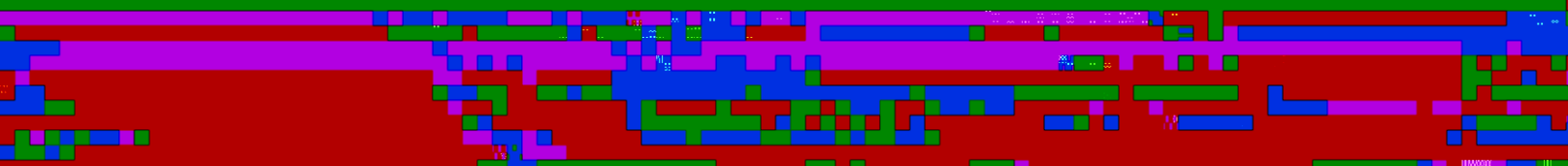


Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 1900).

See <http://www.dal.edu/dal9071a> for Faculty Senate information.

Faculty Senate



SEMESTER & YEAR OF FIRST OFFERING

(AY2013-14, AY2014-15, and AY2015-16 are not approved by SJSU SJS, otherwise)

Fall 2013

AY2014-15 (F)

mode or delivery (specify: lecture, field trips, labs, etc)

Lecture, labs, final project

lab = 1 credit, 2400-4800 minutes of practice in non-science lab = 1 credit, 2400-8000 minutes of internship = 1 credit. This must match with the syllabus. See [http://www.sjsu.edu/academic/assess/2014-15/2014-15\\_Syllabus\\_Review.pdf](http://www.sjsu.edu/academic/assess/2014-15/2014-15_Syllabus_Review.pdf)

tribution, cross-listings

and/or stacking (50 words or less if possible):

Example of a complete description:

FISH F487 W/O Fisheries Management  
3 Credits Offered Spring

Freshwater and marine fisheries. Prerequisite: BIOWR110 or BIOWR111

W = 3-5 credits, M = 1-2 credits

W = 3-5 credits, M = 1-2 credits

cross-listed with ENVI 240

W = 3-5 credits, M = 1-2 credits

W = 3-5 credits, M = 1-2 credits

W = 3-5 credits, M = 1-2 credits

W = 3-5 credits, M = 1-2 credits

W = 3-5 credits, M = 1-2 credits

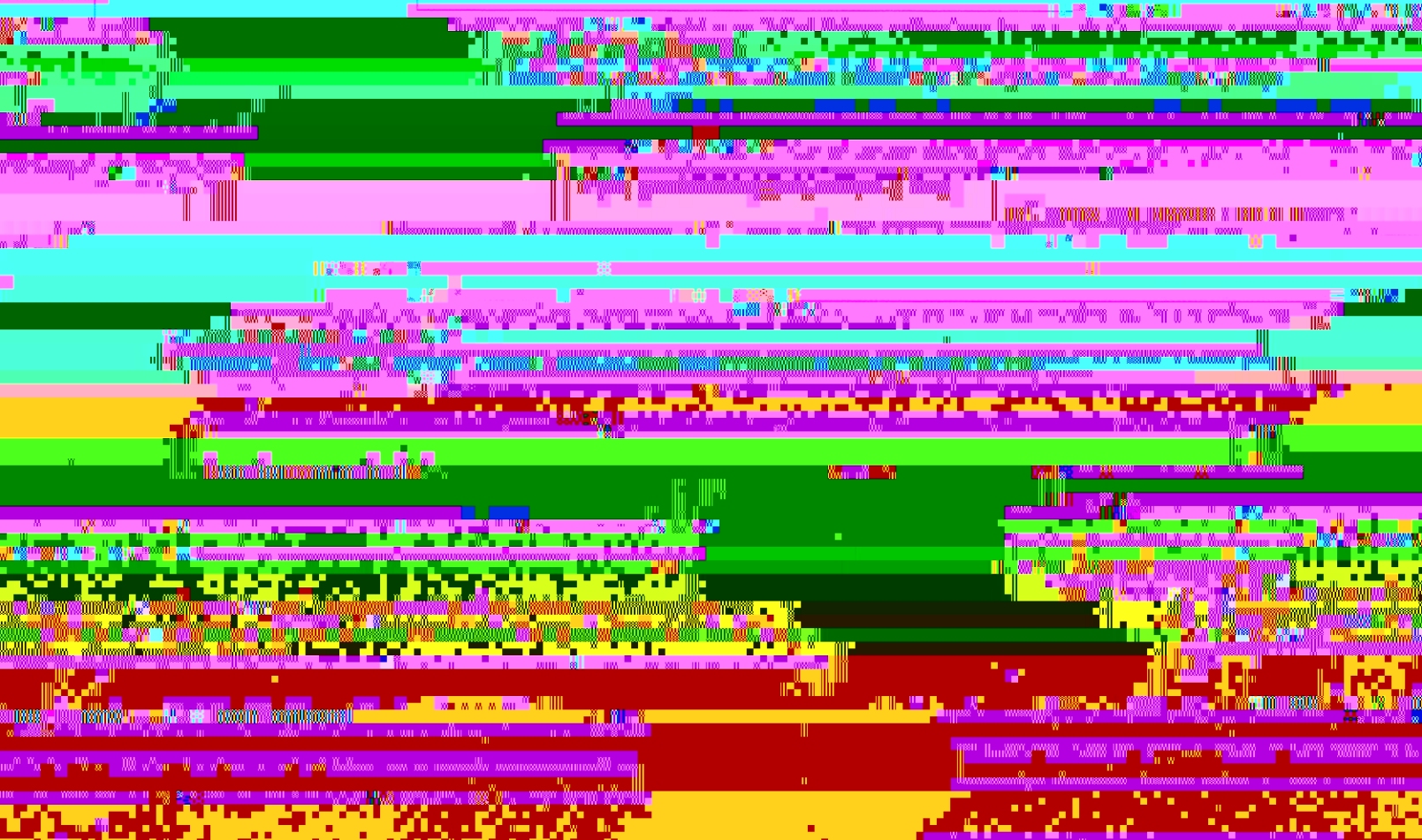
W = 3-5 credits, M = 1-2 credits

W = 3-5 credits, M = 1-2 credits

**11. COURSE CLASSIFICATIONS:** Undergraduate courses only. Consult with the CLA Curriculum Council to apply S or H classification appropriately; other courses follow the standard.

14. PROLOGUE

...of permis...



SECTION 101. REQUISITE

The purpose of this Act is to amend the Department and campus of the Department admitted

base and per capita

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Date
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Signature, Dean, College/School  
of:

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**Predictive Modeling**  
**WLF / BIOL 6XX (Fall 2013)**  
(tentative, version 27<sup>th</sup> September 2012)

**Instructor:** Falk Huettmann

**Office:** 419 IAB (Irving I)

**Office hours:** 9:00 – 11:00 a.m. on Tuesday

**Lecture:** Monday 11:45 –12:45 p.m., 103 Irving 1  
Wednesday 12:00 –1:00 p.m., 103 Irving 1

**Lab:** Wednesday 2:15 – 5:15 p.m., 208 Irving 1

**Course Web Page (Blackboard)** <http://courses.uaf.edu>

**Course Description:** Predictive Modeling allows for new scientific insights as well as for sustainable management of the earth. Many modern modeling algorithms such as machine learning exist, helping to re-define the spatial distribution of species and biodiversity over time. Integrated and data hungry research projects emerge that require new skills and expertise such as R and use of large online data. This course follows a problem-based learning and critical thinking approach and is based on hands-on

**Student-led Discussions and Reading Assignment:** Each student will lead two app. 20 minute discussions on latest research topics relevant to Predictive GIS Modeling

teacher two weeks prior to the course for approval and confirmation. The research papers



Office of Disability Services (907 474-5655). Please meet with me during office hours so that we can collaborate with the Office of Disability Services to provide the appropriate accommodations and supports to assist you in meeting the goals of the course.

**PARTICIPATION:** I expect students to participate and contribute actively in this class in order to improve the individual as well as the overall group performance. Lecture participation is required, e.g. for the paper discussions. Labs can be carried out elsewhere and at any time suitable to the student.

**ETHICS:** I believe in team work, high ethical standards and fair judging. I will follow the Code of Honor outlined in the UAF documents. Plagiarism and any other unethical approaches will not be tolerated in this course and will result into failure.

**SUPPLIES REQUIRED:** Field and outdoors gear, notebook, pen, computer (word processing software) and internet access

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**SUPPORT FOR WRITTEN TASKS:** Since assignments are in a digital and written format, students may want to make use of the Writing Center (8<sup>th</sup> floor, Gruening Bldg)

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(I keep the right to modify any of the points outlined in this document, whenever required by the course and circumstances)

## Lecture Schedule BIOL6XX, WLF6XX

Date		General Topic*	Specific Topic
September	10	Introduction	Capturing Ecological Relationships quantitatively
	12	Quantitative Ecology	Applying quantitative relationships elsewhere
	17	Statistical Issues I	Linear vs Non-linear relationships
	19	Definitions and Terms	20 min Student Presentations (A) and Review with Lecturer