

**Course Syllabus**  
**SOCR 731 – Plant Breeding Data Management**  
**Fall 2012**

**INSTRUCTOR:** Dr. Scott Haley  
C136 Plant Science  
491-6483  
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**MEETING TIME/PLACE:** Tue 1:00-1:50 PM  
C-023 Plant Science  
(grad computer lab)  
**OFFICE HOURS:** by arrangement

**COURSE PREREQUISITE**

Introductory course in personal computing and/or basic familiarity with personal computers.

**TEXTBOOK**

- There is no required textbook for this course. I will be using some materials from the following book as reference: "Using Filemaker 9, Special Edition", 2008, Jesse Feiler, Que Publishing. There are also several other excellent Filemaker books available. Filemaker also has excellent built-in help features.
- In some instances, data files used in this course will be distributed by email by 5 PM on the day before class (i.e., Monday by 5 PM). Students need to have these ready for use during class (bring on a jump/USB drive, access by email, etc).

**INSTRUCTIONAL OBJECTIVES**

- The student will learn basic principles of data and information management for efficient operation of plant breeding programs.
- The student will gain hands-on experience in development of relational database systems to facilitate efficient management of plant breeding (and other related) information.

**EVALUATION**

- Five assignments will be given during the course. The assignments will reinforce topics and principles covered in the computer laboratory sessions. The assignments will be some type of hands-on or practical experience.
- The following activities will contribute to your grade in SOCR 731:

5 assignments (20 points each)	=	100 points
<u>Class participation</u>	=	<u>20 points</u>
Total	=	120 Total

- Final assignment of grades will be as follows:

A (90%)	=	108-120 points
B (80%)	=	96-107 points
C (70%)	=	84-95 points
D (60%)	=	72-83 points

F (<50%)= <72 points

**Course Outline**  
**SOCR 731 – Plant Breeding Program Management**  
**Fall 2012**

<b><u>Week</u></b>	<b><u>Date</u></b>	<b><u>Topic</u></b>
1	8/21	Course organization, database principles/examples
2	8/28	Database essentials 1
3	9/4	Database essentials 2
4	9/11	Database essentials 3
5	9/18	Relationships 1
6	9/25	Relationships 2
7	10/2	Relationships 3
8	10/9	Calculations 1
9	10/16	Calculations 2
10	10/23	Calculations 3
11	10/30	Scripts 1
12	11/6	Scripts 2
13	11/13	Scripts 3
	11/20	Thanksgiving
14	11/27	Managing images
15	12/4	Database security

**Academic Integrity**

This course will adhere to the CSU Academic Integrity Policy as found in the General Catalog (<http://www.catalog.colostate.edu/FrontPDF/1.6POLICIES1112f.pdf>) and the Student Conduct Code (<http://www.conflictresolution.colostate.edu/conduct-code>). At a minimum, violations will result in a grading penalty in this course and a report to the Office of Conflict Resolution and Student Conduct Services.