APPENDIX G

SAMPLES FROM THE FACULTY ACTIVITY SYSTEM (FAS)

AND

CLEMSON UNIVERSITY ADMINISTRATION INFORMATION MANAGEMENT SYSTEM (CU-AIMS)
Faculty Activity System

Beginning January 2002, minor revisions of FAS Version 2.0 will be introduced to respond to requests for improvements. Please check on the FAS News page for details of these changes as they are added.

On 14 March 2002, most databases at the University will be converted to use employee ID numbers and the new student number. This change will remove social security numbers from normal use for identification of individuals. The earlier version of FAS (version 1.5) will no longer function after this change. The data in FAS will be realigned to your employee ID number and FAS Version 2.0 web pages will be adjusted so that all of your records will remain available. This process may require a period of days to implement, so please plan to download any reports required for evaluation prior to this date. We plan to have FAS off line for only a short time, but we may discover problems that require more time to correct. During that period, we will provide bulletins on this page to update our progress if significant delays are anticipated.

<table>
<thead>
<tr>
<th>FAS Current Version</th>
<th>Version 2.0 - Released January 2001. This version is recommended. It requires Netscape version 4.06 (or later) or Internet Explorer version 4.0 (or later).</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAS Previous Version</td>
<td>Version 1.5 - Released August 2000. This version is only recommended if your browser is not supported by the current FAS version or if you experience some difficulty with the new version. This version uses the same database as Version 2.0, they differ only in their user interface style.</td>
</tr>
</tbody>
</table>

For information on scheduled workshops and training classes, as well as individual assistance with either version of FAS, please contact Jamie Brown (email: valiant@clemson.edu, phone: 656-2473, or cellular phone: 650-8234). Mr. Brown will answer all requests for training or help.
Welcome to the FAS Version 2.0! Click the above Data Entry function to enter:

**Goals:** Your plans, expectations, and aspirations for the calendar year.

**Activities:** Information about your projects, research, publications, teaching, and other activities undertaken throughout the calendar year.

**End of Year Summaries:** Summarizing statements of your activities, items of particular note, and explanations for major variances from your plans.

**New items for 2002:**

**Vita** -- The University requires that a current vita be available to the administration for each member of the faculty. To meet these requirements, your vita should be updated at least once a year. Click here to store an electronic copy in the FAS database or review previously stored items. It is recommended that you update your vita early in the calendar year during your preparation for the annual review. Please note that the vita you save here does not substitute for the FAS data you must provide for use in management of the University.

**International Activities** -- The International Priorities Committee requests that you describe the international programs and projects you are involved in. Instructions for this are included from this link. This is optional, but your contribution could help encourage more work on international programs.

**About the system...**

Small icons may be found throughout the system to raise popup menus, to manage information displays, and select the current reporting period. Context-sensitive help is available throughout FAS. At any point, click Help to learn more about the current page and its operation.

**For more information...**

- Important Notices
- FAS Documentation

**For assistance...**

For assistance, training, or difficulty, please contact Jamie Brown (email: valiant@clemson.edu, phone: 656-2473, cell: 650-8234). Another contact for assistance is Dr. Wickes Westcott (email: westc@clemson.edu, phone: 656-0585).

**Availability...**

In addition to information in the FAS database, this system relies upon information in the university's DataWarehouse. The announced hours of availability for this system are as follows: Monday - Friday 7:00am to 2:00am; Saturday 8:00am to 10:00pm; and Sunday 10:00am to midnight.
Coursework

Instructional Activities

Administrative Assignments

End of Year Summary for Year 2001 Administrative Assignments

Actual effort - Spring: 100  1st Sum: 0  2nd Sum: 0  Fall: 100

Faculty Activity Report for Debra Jackson Year 2001 as of: Monday, June 04, 2001
University Self-Study: Goals 1, 2, 3, 4, 5, and 6 The Self-Study Steering Committee and fourteen principal com...

University Public Service

Librarianship

Research and Scholarship

End of Year Summary for Year 2001 Research and Scholarship

Actual effort - Spring: 0  1st Sum: 0  2nd Sum: 0  Fall: 0

The paper accepted by the Southern Association of Colleges and Schools was developed with Carla Rathbone in the Collaborative Learning Environment in DCIT. We will use a live Internet connection to...

Student Advising/Honors and Graduate Committees

Committees

Professional and Personal Public Service

End of Year Summary for Year 2001 Professional and Personal Public Service

Actual effort - Spring: 0  1st Sum: 0  2nd Sum: 0  Fall: 0

I continue to develop a column for the Anderson paper every other week. I have continued to receive questions from the public. The column provides an opportunity for me to maintain my professional...

Professional and Personal Development

Honors and Awards

Having difficulty? Click here to report a system problem or offer a suggestion. This will send email to the FAS development team.
Faculty Activity Report for Faculty “X”
Year 2001
as of: Thursday, February 07, 2002

Goals approved by Department Chair on 11/26/2001

Goals

Coursework

Research and Scholarship
submit ten papers during 2001
submit two research proposals.

Spring: 25, Fall: 25

Student Advising/Honors and Graduate Committees

Spring: 3, Fall: 2

Committees

Spring: 5

Professional and Personal Public Service
referee six papers
attempt to get funding for Clemson mini-conference in discrete mathematics for October 2001.

Spring: 3, Fall: 2

End of Year Summary

Coursework

Research and Scholarship
Submitted 11 papers for publication during 2001. At end of year, 12 papers still pending review, 10 papers have been accepted for publication and are in press, and five papers were published (two during 2000, but not reported last year, and three during 2001). Also submitted several research proposals during 2001.

Spring: 12, 1st Summer: 6, 2nd Summer: 6, Fall: 11

Student Advising/Honors and Graduate Committees

Spring: 2, Fall: 3

Committees

Spring: 2, Fall: 3

Professional and Personal Public Service

Spring: 3, Fall: 2

Activities

Course Work - Spring 2001

CP SC 350 001 - FOUNDATNS OF COM SCI
Percentage: 100 Contact Hrs: 3 Overload Comp: No
Enrollment: 49 Course Credits: 3 Student Credit Hrs: 147

CP SC 840 001 - DESIGN OF ALGORITHMS
Percentage: 100 Contact Hrs: 3 Overload Comp: No
Course Work - Fall 2001

Funded Research Grant

- **Status:** Project completed
- **Amount:** $500,000.00
- **% of Team Effort:** 5
  - Modeling, Simulation, and Virtualization of Physical Phenomena Sponsored by NSF (National Science Foundation) from 08/15/97 to 07/31/01

Publications

- **Status:** In Preparation

- **Status:** Submitted for review

- **Status:** Submitted for review

- **Status:** In Preparation
• **Status: In press**

• **Status: Published**

• **Status: Published**

• **Status: In press**

• **Status: Submitted for review**

• **Status: Published**

• **Status: In press**

• **Status: Submitted for review**

• **Status: Submitted for review**

• **Status: Submitted for review**

• **Status: In press**

• **Status: In Preparation**
  J.R.S. Blair, S.M. Hedetniemi, S.T. Hedetniemi and A.A. McRae, Towards the algorithmic complexity of
generalized vertex covers, in preparation.

- **Status: Submitted for review**
  E.J. Cockayne, G. Fricke, S.T. Hedetniemi and C.M. Mynhardt,
  Extremum aggregates of hypergraph functions: existence and interpolation theorems, submitted.

- **Status: In press**

- **Status: Submitted for review**

- **Status: Submitted for review**

- **Status: In press**

- **Status: In press**

- **Status: In press**

- **Status: Submitted for review**
  M.A. Henning and S.T. Hedetniemi, Defending the Roman Empire - a new strategy, submitted.

- **Status: Submitted for review**

- **Status: In press**
  S.T. Hedetniemi, D.P. Jacobs and P.K. Srimani, Fault tolerant distributed coloring algorithms that stabilize in linear time, Proc. Workshop on Advances in Parallel and Distributed Computational Models, Ft. Lauderdale, FL,

- **Status: Published**

- **Status: Submitted for review**

- **Status: Submitted for review**
  M. Gairing, S.T. Hedetniemi, P. Kristiansen and A.A. McRae,
  Self-stabilizing algorithms for \{k\}-domination, submitted.

- **Status: Submitted for review**
  S.M. Hedetniemi, S.T. Hedetniemi, A.A. McRae, D. Parks and J.A. Telle, Iterated colorings of graphs,
submitted.

Presentations/performances/exhibits

- **Status:** Presented
  Alliances in Graphs, Colloquium, Department of Mathematics, East Tennessee State University, November 19, 2001.

- **Status:** Presented
  Alliances in Graphs, invited presentation at the 970th AMS Meeting, New Directions in Combinatorics and Graph Theory, Chattanooga, TN, October 5-6, 2001.

- **Status:** Presented

- **Status:** Presented

Research Proposal

- **Status:** Not awarded
  Amount: $593,636.00
  % of Team Effort: 33
  Linear Self-Stabilizing Graph Algorithms Sponsored by NSF (National Science Foundation) from 5/15/2001 to 5/14/2004

- **Status:** Not awarded
  Amount: $128,479.00
  % of Team Effort: 100
  Collaborative Research: Network Augmentation Sponsored by NSF (National Science Foundation) from 6/1/2001 to 8/1/2002

- **Status:** Not awarded
  Amount: $494,434.00
  % of Team Effort: 33

- **Status:** Submitted for review
  Amount: $14,975.00
  % of Team Effort: 33
  Clemson University Mini-Conference on Discrete Mathematics Algorithms Sponsored by NSF (National Science Foundation) from 10/1/2001 to 9/30/2002

- **Status:** Submitted for review
  Amount: $292,587.00
  % of Team Effort: 33
  Towards a Generalized Paradigm to Design Stabilizing Protocols for Distributed Systems Sponsored by NSF (National Science Foundation) from 5/15/2002 to 5/14/2003

Student Advising/Honors and Graduate Committees
Graduate Thesis/Dissertation Committees

- **Status: Graduated this period**
  LI SHINENG is enrolled in a MS program in COMPUTER SCIENCE that was begun 5/15/1999.
  Committee Chair: PARGAS, ROY P.

- **Status: Continuing program**
  HOCRINE CATHERINE A is enrolled in a MS program in COMPUTER SCIENCE that was begun 8/15/1996.
  Committee Chair: STEVENSON, DENNIS E.

- **Status: Began program**
  LI XIANCHANG is enrolled in a MS program in COMPUTER SCIENCE that was begun 1/15/2000.
  Committee Chair: PELLERIN JR, HENRY A.

- **Status: Continuing program**
  ZHENG SHENGLIN is enrolled in a PHD program in COMPUTER SCIENCE that was begun 8/15/1998.
  Committee Chair: PECK, JOHN C.

- **Status: Continuing program**
  DOYLE EDWARD JAMES is enrolled in a PHD program in COMPUTER SCIENCE that was begun 1/15/1996.
  Committee Chair: JACOBS, DAVID P.

- **Status: Graduated this period**
  DESAI ADITYA ABHAY is enrolled in a MS program in COMPUTER SCIENCE that was begun 8/15/1999.
  Committee Chair: WESTALL JR, JAMES M.

- **Status: Graduated this period**
  PATHAK SAURABH M is enrolled in a MS program in COMPUTER SCIENCE that was begun 8/15/1999.
  Committee Chair: WESTALL JR, JAMES M.

- **Status: Continuing program**
  RAIHAN IRSHAD M is enrolled in a MS program in COMPUTER SCIENCE that was begun 8/15/1999.
  Committee Chair: MALLOY, BRIAN A.

- **Status: Completed qualifying exam**
  HUTSON KEVIN R is enrolled as a Ph.D. student in MATHEMATICAL SCIENCES, completed the departmental comprehensive examination, November 2001. Committee Chair: SHIER, DOUGLAS R.

- **Status: Graduated this period**
  [Appointed Member] WHITED JON completed MS program in COMPUTER SCIENCE. Committee Chair: Malloy, B.A.

- **Status: Graduated this period**
  GAIRING MARTIN completed MS program in COMPUTER SCIENCE. Committee Chair: HEDETIEMI, STEPHEN T.

- **Status: Graduated this period**
  [Selected Member] PATIL ABHIJIT B. completed MS program in COMPUTER SCIENCE. Committee Chair: WESTALL, JAMES M.

- **Status: Graduated this period**
  [Selected Member] KEKRE SWAPNEEL completed MS program in COMPUTER SCIENCE. Committee
Chair: MALLOY, B.A.

- **Status: Graduated this period**  
  [Appointed Member] BUBBA JR., JOHN F. completed MS program in COMPUTER SCIENCE. Committee Chair: KAPLAN, ALAN

- **Status: Graduated this period**  
  [Selected Member] DUBBUDU, LAXMIKANTH R. completed MS program in COMPUTER SCIENCE. Committee Chair: PELLERIN, H.A.

- **Status: Graduated this period**  
  [Selected Member] POLIBOYINA, VIJAYA K. is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: WESTALL, JAMES M.

- **Status: Graduated this period**  
  [Selected Member] GOKHALE, MANDAR V. completed MS program in COMPUTER SCIENCE. Committee Chair: MADISON, WAYNE

- **Status: Graduated this period**  
  [Selected Member] KAZA, VINAY K. is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: PELLERIN, H.A.

- **Status: Graduated this period**  
  [Appointed Member] VASUDEVAN, BARATHRAM is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: GROSSMAN, HAROLD C.

- **Status: Continuing program**  
  [Selected Member] KENNEDY KEN EDWARD is enrolled in a PhD program in COMPUTER SCIENCE. Committee Chair: STEVENSON, DENNIS E.

- **Status: Graduated this period**  
  THAKUR, AMRITA ANJAN is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: HEDETNIEMI, STEPHEN T.

- **Status: Graduated this period**  
  JESUDURAI, CHRISTOPHER De ROSARIO is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: HEDETNIEMI, STEPHEN T.

- **Status: Continuing program**  
  [Appointed Member] BEATTY, NELL JEMAY is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: GROSSMAN, HAROLD C.

- **Status: Continuing program**  
  [Selected Member] NAYAK, KHYATI SURESHCHANDRA is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: SITARAMAN, MURALI

- **Status: Graduated this period**  
  [Appointed Member] RAO, SHARATH SREEPATHY is enrolled in a MS program in COMPUTER SCIENCE. Committee Chair: SMOTHERMAN, MARK K.

**Committees**

**Department Committees**

- **Status: Continuing from last period**
Faculty Recruiting

- **Status**: Continuing from last period
  Post Tenure Review Committee

- **Status**: Continuing from last period
  Tenure, Promotion and Retention Committee, Chair, Fall 2001

- **Status**: Initiated this period
  Research Committee

- **Status**: Initiated this period
  Assessment Committee, Chair, Fall 2001

- **Status**: Continuing from last period
  Colloquium Committee, Chair, Spring 2001

- **Status**: Continuing from last period
  Curriculum Committee, Spring 2001

**College Committees**

- **Status**: Initiated this period
  Teaching Effectiveness Committee

- **Status**: Initiated this period
  Associate Dean Search and Screening Committee,
  College of Engineering and Science

**Professional and Personal Public Service**

**Professional Service**

- **Status**: Continuing from last period
  Refereeing for research journals

- **Status**: Continuing from last period
  Co-organizer, with Professor R. Laskar (Math. Sci.) of the
  16th Clemson mini-Conference on Discrete Mathematics,
  November 8-9, 2001, held at the Hendrix Student Center.

- **Status**: Continuing from last period
  Wrote letters of evaluation for faculty being considered for promotion to Full Professor, at West Virginia
  University,
  The U.S. Military Academy, Southwest Texas State University, Colgate University and the University of
  Louisville.

- **Status**: Initiated this period
  Elected one of five commissioners of the Computing
  Accreditation Commission. Served as a Team Chair for
  a CAC Visit, October, 2001.
Faculty Activity Report for Faculty “Y”
Year 2001
as of: Thursday, February 07, 2002

Goals approved by Department Chair on 12/21/2001

Goals

Coursework

During the Spring semester, I will teach Biology 111 lecture and one lab section. During the Fall, I will teach Biology 110 lecture and the new Biology 110 Honors course for the first time. I will coordinate the 110 and 111 labs during both semesters.

Instructional Activities

Of course, I will do normal updating of lecture material. Every year I read a different General Biology book to get new material and approaches; this year it will be Purves, Sadava, Orians and Heller in the spring and in the fall I will start with a newer book.

One of my major recurring time commitments each Fall and Spring semester is coordinating the Biology 110 and 111 labs. The development work here is described below; the routine work includes deciding what exercises to use, discussing prep requirements with the preparator, producing both student and TA handouts, running the prep sessions, producing and maintaining the test banks, and overseeing assignment of students to makeup labs. This year I will have a new preparators in the Spring semester, and unless I can keep Abby, I will have a new one in the Fall as well.

In the Spring, a major instructional development goal is to replace the first Biology 111 lab. The current lab uses LDH to trace phylogeny, and has been troubled with technical problems and is of doubtful validity even when it works. I will replace it with a lab that teaches students cladistic analysis. This is the dominant method of inferring phylogeny today, and Biology 111 students should know its principles and limitations. Using computer-generated evolutionary histories of groups, I will ask the students to infer the pattern of evolution under increasingly realistic simulated conditions. I will also ask them to perform an evolutionary distance analysis based on the amino acid sequences of primate hemoglobin.

My second Biology 111 lab goal is to implement a more trouble-free version of my California blackworm lab, in which students monitor action potentials in a small oligochaete. Last year, this was plagued by electronic noise, but I hope that some new equipment will solve the noise problem. This will add some real physiology to a nervous system lab that now centers on sensory illusions and brain and eye anatomy.

One of our major lab reports in Biology 111 is one on the response of ECG, heart rate and blood pressure to some student-designed experiment. I usually help the students with their reports by producing a website that reviews the literature on the subject, but I didn't have one here because I didn't know what treatment they would use. This Spring I will tell them to use exercise (although they will decide what type), and this will allow me to complete a literature review on the effects of exercise on cardiovascular physiology.

Other, more minor changes will be an increase in the diversity of tissues we will cover in the histology lab, the addition of a blood-typing exercise to the immune lab, and a more quantitative approach to the predation lab.

In the Fall, my major goal will be the first teaching of the Biology 110 Honors course. This course will cover a reduced set of the normal Biology 110 material, but will periodically have visits from physicians, who will talk about their specialties. Student team presentations will give the class a factual background on the specialties a week before the visits. Since the visiting physicians and their specialties will be unknown until the course begins, this format will require a lot of development time during the course.
While I do not believe I will teach a lab in the fall, I still plan some changes to Biology 110 lab (taken by both the regular and Honors students). These include addition of abstracts to papers throughout the course, updating of the literature review websites for the papers, more precise distinctions between scientific and statistical hypotheses in the Scientific Methods lab, adding consideration of significant figures to the Data Analysis lab, and expansion of the role of mathematical modeling of biochemical reactions in the Respiration lab. Hopefully this will include a Stella model of all of glycolysis, which I plan to present at ABLE this summer.

Administrative Assignments
I do not anticipate any administrative assignments.

University Public Service
I anticipate no PSA activities.

Librarianship
...nor any librarianship.

Research and Scholarship

Spring: 10, 1st Summer: 20, 2nd Summer: 20, Fall: 10

Part of my recent scholarly activity involves the use of mathematics in biology. I will present my Biology 111 exercise on modeling biochemical reactions using Stella modeling software at the ABLE meeting in June. Also, Dan Warner and I are working on a similar exercise for a mathematical publication called ILAP (Interdisciplinary, Lively Application Projects). Dan has been so busy that he has ignored my recent attempts to get this finished. I am also cooperating with Dan on an assessment of a new, modeling-based method of teaching calculus. For example, he and I both will present modeling of biochemical reactions at the same time, me from the biological point of view and him from the mathematical point of view.

Another area that I hope will be successful is securing NSF funding for some aspect of BIAE's conversion to an "Agriscience" curriculum. I have brought the NSF "Centers for Learning and Teaching" program to the attention of several Ag Ed faculty. If there is adequate interest, we might submit a "Development" proposal to this program.

Student Advising/Honors and Graduate Committees
While I do much informal advising of Biology 110 students, I have no formal advising responsibilities.

Committees

Spring: 10, 1st Summer: 10, 2nd Summer: 10, Fall: 10

Several of my committee assignments will be active in 2001.

First, I am on the Search Committee for the new Agriscience position, and this will keep me busy during the Spring semester.

Second, we must bring the Agriscience Curriculum before the College Curriculum Committee. I have made many suggestions on the drafts Tom Dobbins has given me, but more work (such as course outlines rather than just course descriptions) needs to be done. I will also continue as the Secretary of our College Curriculum Committee, a post I have held since 1995.

Third, and most important, I am on the SACS committee that is preparing Clemson's response on Undergraduate Education. I am chair of the subcommittee on Curriculum and Completion Requirements, and as chair, I have written most of our thirty-page document. We still have a lot of work to do before turning in our draft on March 15. This is fairly time-consuming for me because I must spend long periods doing research in E305 Martin (the SACS Library), write a draft, meet with my subcommittee to see if they approve the draft, meet with the whole committee to present the draft, and then defend the draft when challenges are made by administrators. Then, after March 15, the overall SACS Steering Committee will begin to look at the documents, and they will make more suggestions.

Professional and Personal Public Service

Spring: 10, 1st Summer: 10, 2nd Summer: 10, Fall: 10
I will continue activities such as writing the Merit Exam (the theme this year will be turkeys), judging the AOP Science Fair, assisting with student move-in in August, continuing as the Scoutmaster of Boy Scout troop 172 in Liberty, and continuing as a lector and general helper at my church.

One major professional responsibility will be analyzing the budget from the 2000 ABLE meeting. Alec Motten (ABLE Treasurer) has requested the final budget figures from Zan Wiggins, and these must be ready for the ABLE meeting in June.

**Professional and Personal Development**

*Spring: 10, 1st Summer: 40, 2nd Summer: 40, Fall: 10*

My major personal development goal for the year will be learning the Java programming language. My programming skills, which were the source of my scholarly productivity up until 4-5 years ago, are seriously out of date. Learning Java will allow me to program on both Windows and Macintosh machines and will allow me to distribute programs on the Web. Unfortunately, I am finding out that Java is much more complex than my former programming languages.

This study of Java will take place mainly during the summer.

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**End of Year Summary**

No End of Year Summary found.

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**Activities**

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**Course Work - Spring 2001**

**BIOL 111 001 - PRIN OF BIOL II**

*Percentage: 100  Contact Hrs: 4  Overload Comp: No*

*Enrollment: 139  Course Credits: 5  Student Credit Hrs: 695*

I taught this course as promised.

**BIOL L111 001 - PRIN OF BIOL II LAB**

*Percentage: 20  Contact Hrs: 3  Overload Comp: No*

*Enrollment: 19  Course Credits: 0  Student Credit Hrs: 0*

**BIOL L111 002 - PRIN OF BIOL II LAB**

*Percentage: 20  Contact Hrs: 3  Overload Comp: No*

*Enrollment: 22  Course Credits: 0  Student Credit Hrs: 0*

**BIOL L111 003 - PRIN OF BIOL II LAB**

*Percentage: 100  Contact Hrs: 3  Overload Comp: No*

*Enrollment: 19  Course Credits: 0  Student Credit Hrs: 0*

I taught this lab section as promised, and coordinated all the labs as well. My preparator (Abby Patterson) was very good, but this was the first time she had prepped Biology 111. As with any new employee, I had to spend more time with her to explain the labs and answer her questions.

**BIOL L111 004 - PRIN OF BIOL II LAB**

*Percentage: 20  Contact Hrs: 3  Overload Comp: No*

*Enrollment: 20  Course Credits: 0  Student Credit Hrs: 0*

**BIOL L111 005 - PRIN OF BIOL II LAB**

*Percentage: 20  Contact Hrs: 3  Overload Comp: No*

*Enrollment: 22  Course Credits: 0  Student Credit Hrs: 0*
BIOL L111 006 - PRIN OF BIOL II LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 19  Course Credits: 0  Student Credit Hrs: 0

BIOL L111 007 - PRIN OF BIOL II LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 18  Course Credits: 0  Student Credit Hrs: 0

Course Work - Fall 2001

BIOL 110 001 - PRIN OF BIOLOGY I
Percentage: 100  Contact Hrs: 4  Overload Comp: No
Enrollment: 139  Course Credits: 5  Student Credit Hrs: 695
I taught this course as promised.

BIOL H110 001 - PRIN OF BIOLOGY I
Percentage: 100  Contact Hrs: 4  Overload Comp: No
Enrollment: 15  Course Credits: 5  Student Credit Hrs: 75
I taught this course for the first time. We covered most of the usual Biology 110 material, but all exams were essay. In addition, we had visits from four physicians who talked about their specialties. A week before the physician visits, student teams made background presentations on the specialties, produced a handout to assist with notetaking, and hosted the visiting physician with driving directions, parking assistance, audiovisual support, and lunch after the presentation. The students did an excellent job, and I will use this format when I teach the first Biology H110 Honors course in the Spring.

BIOL L110 002 - PRIN OF BIOL I LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 21  Course Credits: 0  Student Credit Hrs: 0
I taught no lab sections in the Fall, but still coordinated all the 110 labs. A complication here was the preparator situation. I began the semester with a new preparator (Judith White), and she resigned her position early in the semester. During the middle of the semester, I relied on help from the remaining preparators. At the end of the semester, we hired a new preparator (Jeremy Crisp) and I began training him.

BIOL L110 004 - PRIN OF BIOL I LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 20  Course Credits: 0  Student Credit Hrs: 0

BIOL L110 005 - PRIN OF BIOL I LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 20  Course Credits: 0  Student Credit Hrs: 0

BIOL L110 006 - PRIN OF BIOL I LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 15  Course Credits: 0  Student Credit Hrs: 0

BIOL L110 007 - PRIN OF BIOL I LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 18  Course Credits: 0  Student Credit Hrs: 0

BIOL L110 008 - PRIN OF BIOL I LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Enrollment: 18  Course Credits: 0  Student Credit Hrs: 0

BIOL L110 010 - PRIN OF BIOL I LAB
Percentage: 20  Contact Hrs: 3  Overload Comp: No
Pedagogical innovations

- **Status: Completed this period**
  I updated lecture as promised, using Purves, Sadava, Orians and Heller in the spring and Audesirk, Audesirk and Byers in the fall.

- **Status: Initiated this period**
  My first teaching of the Biology 110 Honors course has been described under "Coursework."

- **Status: Continuing from previous period**
  My coordination of Biology 110/111 labs involved choosing exercises and developing new exercises, producing all student and TA handouts, writing testbanks for lab quizzes, and running prep sessions.

- **Status: Initiated this period**
  I developed a new lab on cladistics, as I had promised. This worked well, but over the summer I attended the ABLE meeting in Chicago and saw a way to supplement it with web-based exercises.

- **Status: Continuing from previous period**
  As promised, using new equipment, I produced a much more trouble-free version of my California blackworm lab, in which students monitor action potentials in a small oligochaete. This year, it was done as a demonstration, but next year all students will use the new equipment to do the exercises themselves.

- **Status: Completed this period**
  As promised, I produced a literature review website on the effects of exercise on cardiovascular physiology. This helped the students write a lab report on cardiovascular physiology.

- **Status: Initiated this period**
  As promised, I increased the diversity of tissues we covered in the histology lab, added a blood-typing exercise to the immune lab, and a tried a more quantitative approach to the predation lab. All worked well, except the predation lab. That lab will need more work next year.

- **Status: Initiated this period**
  In Biology 110 lab in the fall, I updated of the literature review websites for the papers on reaction time and photosynthesis, added consideration of significant figures to the Data Analysis lab, and simplified the spectrophotometry exercise in the Macromolecules lab by use of micropipettes (to avoid a longstanding contamination problem).

Seminars/Guest Lectures

- In Fall, I invited in four physicians to talk about their specialties to Biology H110.

Administrative Assignments

**Administrative assignments**

- **Status: Initiated this period**
I had no administrative assignments.

University Public Service

Cooperative Extension Service Project

- **Status**: *Business, Financial and Risk Management Systems for Agricultural Firms*
  - None.

Public service (non-PSA Project)

- **Status**: *Initiated this period*
  - None.

Librarianship

Librarian Services

- **Status**: *Initiated this period*
  - None.

Research and Scholarship

Publications

- **Status**: *In press*
  - Kosinski, R. J. 2002. Teaching reaction equilibrium using Stella modeling software. In press with Tested Studies for Laboratory Teaching, Vol. 23, which will be published this June.

Presentations/performances/exhibits

- **Status**: *Presented*
  - I presented "Teaching Reaction Equilibrium Using Stella Modeling Software" twice as a major workshop at the meeting of the Association for Biology Laboratory Education in Chicago in June. Ratings from both audiences were almost perfect.

Research Proposal

- **Status**: *Submitted for review*
  - **Amount**: $960,009.00
  - **% of Team Effort**: 40
  - South Carolina Agriculture Education: Curriculum and Teacher Recruitment/Retention Sponsored by NSF (National Science Foundation) from 6/1/2002 to 8/31/2005

Committees

Department Committees

- **Status**: *Continuing from last period*
  - Agriscience Search Committee -- Assist Department Chair in facilitating Agriscience candidate interviews during Spring Semester
• **Status: Continuing from last period**
  I am Chair of the BIAE Curriculum Committee. This assignment became very intense in summer and fall of 2001 as we readied the new Ag Ed Curriculum for presentation. The new curriculum was approved by the University Curriculum Committee in December of 2001.

**College Committees**

• **Status: Continuing from last period**
  I am a member and secretary of the CAFLS Curriculum Committee, and have been since CAFLS was formed in 1995.

**University Committees**

• **Status: Continuing from last period**
  During spring and summer I worked as chair of the SACS subcommittee on Curriculum and Completion Requirements. My subcommittee's SACS document was apparently approved by the SACS Steering Committee, but I might be called back for hasty revisions before the SACS visit in March, 2002.

**Professional and Personal Public Service**

**Personal Public Service**

• **Status: Continuing from last period**
  I have continued as the Scoutmaster of Boy Scout troop 172 in Liberty. Recently, the troop has grown dramatically in size, and the job has become more time-consuming.

• **Status: Continuing from last period**
  I assisted with student move-in in August. It was hot work.

• **Status: Continuing from last period**
  I have also continued as a lector and general helper at my church. This year this included playing my old role as a Roman soldier at the multi-faith Nativity reenactment, "Return to Bethlehem."

**Professional Service**

• **Status: Continuing from last period**
  I wrote the Biology Merit Exam and judged the AOP Science Fair, as promised.

• **Status: Completed this period**
  Until June 30, I served as the First Vice President of the Association for Biology Laboratory Education.

**Professional and Personal Development**

**Professional Development Activities**

• **Status: Mid-career**
  I did make progress on this goal over the summer, but the time to pursue Java disappeared when the semester started.

**Honors and Awards**

**Honors and Awards**
• **Status:** Awarded  
**Amount:** $2,500.00  
In December, I was named the 2001-2002 recipient of the Student Government Excellence in Teaching Award.
# Departmental Activity Summary

## College of Engineering and Science

### 2000-2001

<table>
<thead>
<tr>
<th>Faculty</th>
<th>2000-2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenure Total FTE</td>
<td>29.35</td>
</tr>
<tr>
<td>Tenure Track Regular</td>
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</tr>
<tr>
<td>Temporary</td>
<td>2.25</td>
</tr>
<tr>
<td>Temporary Full-time</td>
<td>1.10</td>
</tr>
<tr>
<td>Temporary Part-time</td>
<td>0.00</td>
</tr>
<tr>
<td>Part-time Full-time</td>
<td>0.00</td>
</tr>
<tr>
<td>Part-time Part-time</td>
<td>0.00</td>
</tr>
<tr>
<td>Post Doctoral Female</td>
<td>1</td>
</tr>
<tr>
<td>Post Doctoral Minority</td>
<td>0</td>
</tr>
<tr>
<td>Percentage 3.2%</td>
<td>9.7%</td>
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</table>

<table>
<thead>
<tr>
<th>Regular Faculty FTE Distribution</th>
<th>Fall freeze</th>
<th>FAS Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Instruction</td>
<td>27.25</td>
<td>19.00</td>
</tr>
<tr>
<td>Research</td>
<td>24.80</td>
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<tr>
<td>Service</td>
<td>1.95</td>
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<tr>
<td>Other</td>
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<tr>
<td>Part-time Full-time</td>
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<tr>
<td>Part-time Part-time</td>
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<td>FTE</td>
<td>11</td>
<td>11</td>
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</table>

<table>
<thead>
<tr>
<th>Student Information</th>
<th>Degree</th>
<th>Undergraduate</th>
<th>Masters</th>
<th>Doctoral</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instruction</td>
<td>5</td>
<td>35</td>
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<tr>
<td>Research</td>
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<td>12</td>
<td>3</td>
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<tr>
<td>Full</td>
<td>325</td>
<td>64</td>
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<tr>
<td>Total</td>
<td>377</td>
<td>76</td>
<td>23</td>
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<tr>
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<table>
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<td>Research</td>
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<td>Service</td>
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<table>
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<th>Graduate Assistants</th>
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<tr>
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<tr>
<td>Foreign: 60.0%</td>
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### 1999-2000

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<td>Temporary Part-time</td>
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<td>Part-time Full-time</td>
<td>1.1</td>
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<td>Post Doctoral Female</td>
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<tr>
<td>Post Doctoral Minority</td>
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<tr>
<td>Percentage 3.1%</td>
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<table>
<thead>
<tr>
<th>Regular Faculty FTE Distribution</th>
<th>Fall freeze</th>
<th>FAS Goals</th>
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<tr>
<td>Total Instruction</td>
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<td>27.00</td>
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<tr>
<td>Research</td>
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<td>6.95</td>
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<td>Other</td>
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<td>Part-time Part-time</td>
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<tr>
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<td>Service</td>
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<table>
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<th>Sponsored Programs Expenditures</th>
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<tr>
<td>Service</td>
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<thead>
<tr>
<th>Graduate Assistants</th>
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<tr>
<td>Head count: 86</td>
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<tr>
<td>Foreign: 65.1%</td>
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2/7/2002

Mechanical Engineering
### Faculty

<table>
<thead>
<tr>
<th>1998-1999</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>Total</td>
<td>Tenure</td>
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<td>Count</td>
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<tr>
<td>FTE</td>
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#### Regular Faculty FTE Distribution

<table>
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<tr>
<th>Full freeze</th>
<th>Total Instruction</th>
<th>Research</th>
<th>Service</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall freeze</td>
<td>27.43</td>
<td>23.37</td>
<td>3.36</td>
<td>0.09</td>
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<tr>
<td>FAS Goals</td>
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#### Staff

<table>
<thead>
<tr>
<th>Head Count</th>
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<td>Full-time</td>
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<td>14.5</td>
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#### Student Information

<table>
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<tr>
<th>Degree</th>
<th>Enrollment</th>
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<tr>
<td>Level</td>
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<tr>
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<tr>
<td>Masters</td>
<td>Part</td>
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<tr>
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<td>Full</td>
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<td>5</td>
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#### Fiscil Year Expenditures

<table>
<thead>
<tr>
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<th>Research</th>
<th>Service</th>
<th>$0</th>
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</thead>
<tbody>
<tr>
<td>$3,152,466</td>
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#### Sponsored Programs Expenditures

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<tr>
<th>Instruction</th>
<th>Research</th>
<th>Service</th>
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<tbody>
<tr>
<td>$0</td>
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#### Delaware National Benchmark 1998-99 for Research Institution

<table>
<thead>
<tr>
<th>Institutions</th>
<th>Cost/SCH</th>
<th>Cost/FTE Student</th>
<th>Personnel Cost as % Instr Exp</th>
<th>Res Exp /TT FTE</th>
<th>Serv Exp /TT FTE</th>
<th>Faculty Teaching Load (total student credit hours taught fall and spring)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>31</td>
<td>$413</td>
<td>$11,287</td>
<td>89%</td>
<td>$96,682</td>
<td>$243</td>
</tr>
<tr>
<td>Department Ratios</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000-2001</td>
<td>$313</td>
<td>$8,381</td>
<td>93%</td>
<td>$70,999</td>
<td>$0</td>
<td>6,379 1,399</td>
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<tr>
<td>1999-2000</td>
<td>$340</td>
<td>$8,990</td>
<td>84%</td>
<td>$105,175</td>
<td>$0</td>
<td>7,545 1,891</td>
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<tr>
<td>1998-1999</td>
<td>$351</td>
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<td>77%</td>
<td>$65,958</td>
<td>$0</td>
<td>7,196 1,782</td>
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#### Faculty Salaries with Comparisons to Oklahoma 10-Peers

<table>
<thead>
<tr>
<th>Professor</th>
<th>Assoc Prof</th>
<th>Assist Prof</th>
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</thead>
<tbody>
<tr>
<td>No.</td>
<td>Salary % Okla</td>
<td>No.</td>
</tr>
<tr>
<td>2000-2001</td>
<td>11 $66,656</td>
<td>5</td>
</tr>
<tr>
<td>1999-2000</td>
<td>10 $81,500</td>
<td>6</td>
</tr>
<tr>
<td>1998-1999</td>
<td>12 $76,673</td>
<td>5</td>
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</table>

2/7/2002 Mechanical Engineering Page 2 of 2
The Clemson University Activities Information Management System (CU-AIMS) serves as a model for the nation for a multi-purpose, faculty-driven, web-based management accountability system. It provides faculty members with a means to record their accomplishments and monitor their research grant accounts. It also provides administrators with a means to manage and direct research activities.

CU-AIMS is a fully integrated system that brings together all the pertinent university information sources, as well as the federal Current Research Information System (CRIS). It has three components to serve the needs of faculty, administrators, and the public.

This information management system was shared with other land-grant universities and government agencies through a series of national teleconferences from September 1997 through February 1998. A booklet on the proceedings, *21st Century Land Grant Universities: Action on Issues*, is available through the Agriculture & Forestry Research director's office at djmsn@clemson.edu.
New CU-AIMS Feature

Excel Downloads Now Available

As a result of several requests from various IMS users, we have added the capability to load data into an Excel worksheet. The option is not available in all areas; however, it is available in what we consider "data critical areas." Look for the Excel icon at the bottom of the data returned by your request. If the Excel icon is there, a mouse click will send your data to an Excel worksheet that will appear in the IMS data area.

You will notice that our Excel worksheet does not show any Excel menus. This is done to keep the memory overhead small and not clutter the work area. You will, however, have a number of capabilities by taking advantage of the Excel shortcut keys (see below) or you can block the data and send it to your workstation Excel program to manipulate.

Below are a few of the Excel shortcut keys:

- (ALT F2) - "save as" worksheet
- (SHIFT F1) or right mouse click - call formatting (cut, paste, etc.)
- (CTRL P) - open print dialogue box
- (ALT =) - Sum function (columns & rows)

PSA Expecting Tough Year

Dr. Kelly Comments on Possible PSA Budget Cuts

Clemson and PSA face a formidable challenge in 2002. We foresee another budget cut, triggering a re-assessment and reallocation of our resources. University leaders are exploring ways to deal with the impact. The strategy is to anticipate the changes and to have the organizational agility to respond to them.

In PSA, we anticipate at least 70 positions will be eliminated. Our hope is that retirements will prevent the need for layoffs. Those who remain may face transfers, as departments, programs, and research and education centers are reviewed.

This is an anxious time. I will do my best to keep you informed on efforts to deal with the situation.

Submitted by: CU-AIMS staff
R1/M/02
CU-AIMS
Clemson University - Activity
Information Management System

Budget Information
Account Budgets By...
- Project
- Department
- Multi-Criterion Search
- Current Account
- End Source
- Taken Source

- Active Reports
- PSA Financial Report
- E5 Financial Report
- APS Financial Report
- E5E Financial Report
- Reports All Fms. Report
- UH Financial Report
-跃 Financial Report

Graphical Data
Funding of PSA Divisions as a % of Total-FY 2000

0%
0%
47%

Historical Reports
Expenditure Summary FY 2001
Report shows Expenditure summary
by CUBS Sub-class for FY 2001.
These totals are also reflected in a table by PSA division.
A graph is supplied to show the comparison of expenditures between divisions.
(Data submitted by Kay Shaw)

Revenue Summary FY 2001
Report shows total revenues collected
in FY 2001 by department number.
The top 15 departments collecting the most revenues have been highlighted
in a chart and graphically.
(Data submitted by Kay Shaw)

Department Summary FY 2001
Report shows beginning and ending balances of each department with
PSA funding.

Project Summary FY 2001
Report shows beginning and ending balances of each project for FY 2001.

Funding Growth PSA vs E&G(in millions of dollars)
<table>
<thead>
<tr>
<th>Research Information</th>
<th>Account: <strong>(<em>)-xxxx-0324-(</em>)-1700120</strong></th>
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<tbody>
<tr>
<td><strong>AFR Research By...</strong></td>
<td><strong>Department: Genetics and Biochemistry</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Project: Physical &amp; high resolution gen</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Manager: Abbott Albert G.</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Start Date: 7/1/2001</strong></td>
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<tr>
<td></td>
<td><strong>End Date: 6/30/2010</strong></td>
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<table>
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<th>Account</th>
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<tbody>
<tr>
<td><strong>Department: Genetics and Biochemistry</strong></td>
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<tr>
<td><strong>Project: Physical &amp; high resolution gen</strong></td>
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<tr>
<td><strong>Manager: Abbott Albert G.</strong></td>
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<tr>
<td><strong>Start Date: 7/1/2001</strong></td>
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<tr>
<td><strong>End Date: 6/30/2010</strong></td>
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<table>
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<tr>
<th>Sponsorship Details</th>
<th>Amount</th>
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<tr>
<td>Classifed Salary</td>
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<tr>
<td>Unclassified Salary</td>
<td>$54,537.00</td>
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<tr>
<td>Wages</td>
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<td>Fringe</td>
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<td>Other</td>
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<tr>
<td>Equipment</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

For help, comments, or suggestions please contact_support@demson.edu.
Copyright Clemson University, Public Service Activities 1998-2001.
Sponsored Awards - Top Ten Departments (FY 2000)

Top 15 Revenue Generating Departments (FY 2001)