

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – January 25, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, January 25, 2010. All chairs were present.

Miscellaneous Announcements and Reminders:

1. Dean Runge announced that the CNSM Council of Chairs will meet weekly on Mondays at 1:00 p.m. during the spring semester.
2. Dean Runge announced the message from President Meadors that all recruiting efforts must be coordinated through the Admissions office.
3. The Dean reminded the chairs that there will be a disaster drill on campus March 11- 12th.
4. The chairs were reminded to please get department news to Vicky Reid in the Dean's office in a timely a manner so that she can get the college news-letter out on schedule.
5. February 5th a new athletic logo will be released at the Board of Trustees meeting.
6. President Meadors has requested nominations for the Distinguished Alumnus Award. He indicated that a review will be conducted each year of the individuals nominated, but that there may be years when no award is given.
8. Dean Runge reminded the chairs that a HLC team will be on campus in early March. He stressed that the HLC document will be reviewed at a future CoC.

Agenda Items:

1. Dr. Frederickson reminded the chairs that the Poster Symposium will be April 23rd in McCastlain Hall. Abstracts are being called for earlier than in past years so that booklets can be made to send out to key people and organizations. The deadline for abstracts will be published at a later date.
2. The outstanding graduate student award was discussed. Dr. Frederickson pointed out the application for outstanding undergraduate student is on the website. It was decided by general consensus that the college would adopt an award for outstanding thesis this year. The chairs were asked to provide a brief summary of criteria for new awards to be discussed at a future CoC meeting.
3. LSC 116 has been designated as the room that new mothers may use to express during the semester. A sign stating that the room is in use for such will need to be hung on the door.
4. Dean Runge discussed the second round of budget cuts. Dr. Frederickson explained that it was 6% of the M&O budget for each department.
5. Dean Runge discussed where we stood with paperwork that is out on CNSM positions.
6. Dean Runge discussed the stimulus money that CNSM has been allocated. Dean Runge asked the chairs to send Dr. Frederickson

their list of computer needs.

7. President Meadors is asking for a list of faculty using Second Life. Dean Runge asked the chairs to send their list to Jima Bowman. None of the chairs knew of any faculty using this web service.
8. Dean Runge discussed the upcoming CNSM recruiting day. The event will be similar to Bear Facts Day but will be for our college only. Penny Hatfield, Admissions Director, will coordinate the function. Juniors from math and science high schools will be targeted. The date of April 17th is being considered but it was pointed out that the Poster Symposium would still be up for viewing if the date was changed to April 24th.

Chairs Report:

Computer Science:

- Dr. Hu reported that a graduate student sponsored by the Turkish Higher Education Department enrolled in the Applied Computing program.

Math:

- Dr. Garimella reported the students Jackson Fliss and Jing Voon Chen presented posters at the joint MAA/AMS Meeting in San Francisco January 13 – 16.
- He also announced that MSI '10 will take place on campus July 12 – 16.

Physics:

- Dr. Addison reported that Dr. Debra Burris, Nancy Austin, Dr. Scott Austin and student Jeremy Lusk attended the 215th Meeting of the American Astronomical Society in Washington, D.C. January 5th. Dr. Burris and Mr. Lusk made a presentation titled "Abundance Calculations and Error for Lighter Neutron-Capture with Improved Spectra."

Biology:

- Dr. Adams reported that Drs. Rowley, Runge, and Swanson from Biology, and Drs. Kelley and Bridges from Chemistry, have been awarded a \$82,452 grant from the National Science Foundation for the purchase of an analytical flow cytometer.
- Dr. Adams also announced that the search for the Cellular Physiology position is progressing.

Chemistry:

- Dr. Mauldin reported that after meeting with Larry Lawrence, Paul Crosmer and Dr. Runge to address the fume hood issues in Laney it was decided that new fume hoods were not necessary, but control technology was badly needed.
- Dr. Mauldin also announced that Laney has been chosen to have a "green" roof installed with stimulus money.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – February 15, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, February 15, 2010. All chairs were present.

Agenda Items:

1. Minutes of the January 25, 2010 CoC meeting were approved as amended.
2. The Occupational Health and Safety Program Proposal was handed out and Dean Runge asked the chairs to review it and to bring comments to the next CoC meeting.
3. Dean Runge reported that summer school was being discussed in depth at the Council of Deans meetings and that President Meadors wants the deans and chairs to be aggressive and creative while planning the summer schedule.
4. As a SPARC representative, Dr. Frederickson will give the college updates on the eighteen month Strategic Planning process.
5. Dean Runge discussed an NIH funded project at UAMS, to which we committed during the 2008-09 academic year. The project uses the access-grid to recruit minority students for UAMS graduate programs. The Dean asked the chairs to consider ways we may be able to recruit students. He asked the chairs to give him dates that are pertinent by the end of the month. The purpose of the grant is to maximize student diversity through twice monthly telecasts. Dr. Frederickson suggested February 25th during X-period.
6. Dean Runge urged the chairs to remind faculty to send Vicky Reid, in the Dean's office, newsletter information in a timely manner. He asked the chairs to make sure that the information is appropriate for a general audience.
7. The chairs were reminded that Saturday, February 20th is Bear Facts Day. Dean Runge will be out of town and Dr. Addison will lead with a short introduction before breaking into groups.

Miscellaneous Announcements and Reminders:

1. Dean Runge reminded the chairs that the system is ready to receive the fall schedule of classes.
2. Dean Runge said that he had noticed some "dead" web pages on some of the department's web sites. He encouraged the chairs to check all the web sites as well as their own. Links can, and do, expire and must be renewed.
3. Dean Runge announced that teaching (faculty) evaluations will be on the agenda for the 2010 Faculty Retreat.
4. Dean Runge reported that STEM development and educational programs were emphasized in his recent meeting with President Meadors.
5. Dean Runge reminded the chairs that he will be out of the office February 17- 22 attending the annual AAAS Meeting in San Diego.

Chairs Reports:

Physics:

- Dr. Addison reported that he has received a completed AA1 on the open Physics position.
- Holly Smith, a 2008 Physics graduate from UCA, has accepted a position at MEI Technologies, a NASA contractor. She will be working on reducing noise in space vehicles.

Chemistry:

- Dr. Mauldin reported that Drs. Krause and Manion recently made two presentations. One presentation was to the Arkansas River Valley Audubon Society at the Winthrop Rockefeller Institute. They also made presentations to Vilonia seventh graders.
- Dr. Patrick Desrochers has written a letter to the principal of Greenbrier high school highlighting the accomplishments of two former Greenbrier graduates, Tori O'Bannon and Elizabeth Schiefer. Both are Cordrey Scholars. Dr. Desrochers recognized Greenbrier's chemistry teacher, Mr. Darin Gainer, for his leadership and motivation in the sciences.

Computer Science:

- The Graduate faculty of CS department met on February 12. The meeting was focused on the direction of the MS degree program of the department and ways to make continuous improvement.

Biology:

- Dr. Adams reported three faculty members, himself, Drs. Ginny Adams and Sally Entekin, along with 15 graduate and undergraduate students recently attended the American Fisheries Society AR and Ok Chapters Meeting in Fort Smith. Thirteen presentations, eight oral and five posters, were delivered to UCA students. Ram Pandey won the Best Student Presentation award. Ram is mentored by Drs. Laurie Warren and Ginny Adams.
- The Biology search for the Cellular Physiology position has been narrowed down to three applicants. Plans to bring two candidates to campus for interviews are being completed.

Math:

- Dr. Garimella reported that they have received a completed AA1 on Math's position and the search is moving forward.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – March 1, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, March 1, 2010.

Agenda Items:

1. Minutes of the February 15, 2010 CoC meeting were approved as amended.
2. Dean Runge introduced the subject of scientific writing in relation to Freshman Comp I and Comp II. A lengthy discussion followed involving the role and importance of written and oral communication in the programs in our College. It was agreed that these subjects are very important for our students. It was decided that the item will go on the Chairs' Retreat agenda.
3. The Central Arkansas Social that will take place March 18th at Double Tree in Little Rock was discussed. The event, which could be a successful recruiting function for CNSM, is sponsored by the UCA Admissions Office. Dean Runge encouraged the chairs to attend and to provide Leigh Ann DenHartog with promotional material.
4. As the LSC building administrator, Dr. Frederickson discussed the active shooter exercise which will take place March 11th, during X-period, in Minton Hall. Two hundred UCA students, as well as the Conway Police Department, the Conway Fire Department and UCAPD, will be involved in the exercise. Dr. Frederickson recently attended a training session on active shooter and building lock down procedures.
5. The budget plan for the fiscal 2011 year was discussed. Dr. Frederickson dispersed handouts to the chairs. He pointed out that the M& O amounts should be the same as last year's numbers. Dean Runge asked the chairs to have comments by the next CoC concerning the lab fees.
6. The upcoming HLC visit next week was discussed and its importance emphasized. Dean Runge provided the chairs with bound copies of the HLC Self Study.
7. The upcoming chairs' meeting with President Meadors March 2nd was discussed.

Miscellaneous Announcements and Reminders:

1. The chairs were reminded to get their 8-semester degree programs to the Dean's Office.
2. Dean Runge announced that he attended an on-line learning summit last week.
3. Dean Runge reminded the chairs that the Poster Symposium will be April 23rd.
4. Dean Runge asked Dr. Addison to provide feedback on the Bear Facts Day that took place February 20th. Dr. Addison reported that the attendance was much larger than expected but was very positive about the results. Dr. Hu commented that by breaking into smaller groups by discipline, there was great interaction between students and administrators.

Chairs Reports:

Biology:

- Dr Adams reported that the first of two candidates for the Cellular Physiology position will be on campus March 4th and 5th.

Chemistry:

- Dr. Mauldin reported that the department has received 50 applications for the vacant lecturer position. He reported that most of the 50 had Ph.d's. The search has been narrowed down to 6 at this point.

Math:

- Dr. Garimella reported that Dr. Pat Carmack gave an invited talk titled "Spatial Modeling and fMRI," on February 23rd in the Department of Psychiatry at Columbia University, New York.
- In last week's Arkansas Democratic Gazette Dr. Carmack had an article on Gulf War syndrome and was also interviewed for the paper.
- Dr. Garimella reminded the chairs that the RCML Conference will be held on our campus March 11-13. Several graduate teaching assistants and faculty members are scheduled to make presentations at these meetings.
- The Math department will host the annual Regional ACTM Math Contests (in Algebra I, II, Geometry, Algebra and Trig, Calculus and Statistics) on March 6th. The contest will take place in the Math and Science building and about 120 high and middle school students are expected to attend the contest.
- February 19th and 20th, Drs. Ramesh Garimella and Linda Griffin provided development workshops for 20 Algebra II teachers. The workshop was part of a MSP grant of Arch Ford Cooperative funded by the ADE.

Physics:

- Dr. Addison reported that he and Dr. Rahul Mehta took a group of 8 Physics majors, along with a high school teacher and a high school student from Mt. Vernon, to the Accelerator facility at the University of North Texas. While there, February 26th and 27th, the group ran experiments on the UNT accelerator. The results will be presented at the upcoming CNSM student research symposium.

Computer Science:

No report.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – March 8, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, March 8, 2010. All chairs were present.

Agenda Items:

1. Minutes of the March 1, 2010 CoC meeting were approved.
2. Larry Lawrence is working with Diane Newton, VP of Finance and Administration, pertaining to Capital Projects. Dean Runge distributed copies of a Capital Fund Request that Larry Lawrence provided as an example format. Dean Runge discussed the necessity of preparing a Phase I and Phase II request under the same cover using the format example.
3. Dean Runge asked the Chairs to have their position requests with justifications back to him by April 9th. He stressed that the justifications should be tied closely to our mission and that they should use the Provost's 11point justification form.
4. In conjunction with Admissions, CNSM will host a recruitment day April 24th. High school juniors in AP science and AP math will be targeted. The welcome will be held in the LSC lobby and then the group will be dispersed to break out groups. Dean Runge would like LSC, MCST, and Laney occupied with research students. Some posters from the Poster Symposium will be showcased in the LSC lobby. An itinerary will come out closer to the date.
5. The council of chairs discussed the idea of a minor that could be associated with the STEM Residential College students.

Miscellaneous Announcements and Reminders:

1. Dean Runge reminded the chairs of Bear Facts Day this Saturday, March 13th and that a Bear Facts Day has been added for April 9th.
2. Dr. Frederickson asked the chairs to get their budget issues to him by the end of the day. The part time lines were discussed.

Chairs Reports:

Physics:

- Dr. Addison reported that UCA will host the MidSouth Chapter of the Acoustical Society of America March 12th & 13th.

Math:

- Dr. Garimella reported that the Math department is proposing new courses in Computational Thinking and Stochastic Processes.
- Plans are underway to create a minor in Statistics.
- Saturday, March 6th, 160 students from central Arkansas participated in the ACTM math contests in Algebra I, II, Geometry, Precal/Trig, Calculus and Statistics. Trophies were given to the top three scorers on each exam. There were thirteen other centers in the state where the contest was held. The

top finishers from all the centers will be invited to UCA to participate in the statewide contest on April 24th.

- Dr. Lenin received a 2010 summer stipend from the URC to work on a project that involves determining efficiency of parallel computing.

Chemistry:

- Dr. Mauldin reported that Shelley Bradley, an alumnus of UCA Chemistry dept., former laboratory coordinator at UCA, and current employee of the Chemistry dept. at Hendrix College, is helping our dept. examine all of chemicals have been identified for disposal. These chemicals either are not being used and /or present a danger with prolonged use.
- The Chemistry dept. approved a change in the description for the minor in Chemistry. The previous language was confusing and it could be interpreted to mean that students were required to choose between Quantitative Analysis and Organic II, which was not the intent.
- The department also approved deletion of Chem 3300 and 3350, with a change in name for Physiological Chemistry I and II.

Biology:

- Dr. Adams reported that one of two candidates for the Cellular Physiology position in Biology was on campus last week and the second candidate will be on campus Thursday and Friday of this week.

Computer Science:

- Dr. Hu reported that Jerry Adams, President and CEO, of Arkansas Research Alliance, spoke at the Computer Science department meeting Friday, March 5th. Mr. Adams spoke about plans in which his group is involved to advance the knowledge based economy in Arkansas. Dean Rung also attended the meeting.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – March 15, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, March 15, 2010. All chairs were present.

Agenda Items:

1. Minutes of the March 8, 2010 were approved.
2. Dean Runge opened a discussion concerning the College's Advisory Board. An example copy of CNSM Advisory Board Bylaws were given to the chairs. Dean Runge would like for the Advisory Board to meet in May to discuss the adoption of bylaws. Dr. Addison suggested that the monthly CNSM newsletter be sent to board members.
3. Dr. Mauldin handed out copies of the section of the undergraduate bulletin pertaining to remedial courses and a self-study ADHE document. A discussion followed about courses in question. It was decided that the requirements for a BS degree will be discussed at future CoC.
4. Dean Runge distributed the draft of the CNSM guidelines for Promotion and Tenure developed by the Dean's Advisory Council. This draft is FOR INFORMATIONAL PURPOSES ONLY at this point. The CNSM T&P Committee is currently reviewing the draft. Once their feedback is received, a second draft will be distributed to the chairs to take it back to their departments for feedback. With input from each reviewing body, the departments and the chairs, Dean Runge would like these guidelines honed into a viable document that would work well for CNSM. The Dean stressed that the handout is only a draft.

Miscellaneous Announcements and Reminders:

1. Dean Runge reported on the ARE-ON meeting that he attended shortly before the CoC.
2. Dean Runge reminded the chairs of the Central Arkansas Social to be held the evening of March 18th at Doubletree in Little Rock. More than 100 prospective students are expected to attend.
3. Dean Runge commented on the success of Bear Facts Day, March 13th. He recommended that a junior and senior faculty member be paired at future Bear Fact Days.
4. Due to UCA being closed next Monday for the Banner update there will not be a CoC.
5. Dr. Frederickson reminded the chairs of the upcoming Poster Symposium April 23rd. Abstracts are due March 31st.

Chairs Reports:

Math

- On March 12th & 13th, the Research Council of Mathematics Learning (RCML) annual national meeting was held on our campus. The event was sponsored by the ACMSE and the Department of Mathematics. Drs. Umadevi Garimella and

Carolyn Pinchback and Mrs. Belinda Riobertson (of ACMSE) are the main organizers of the meeting. About 80 participants, representing 16 states, attended the meeting. There were a total of 45 minute talks and two one hour lectures.

- NCLB grant: k-4 SMARTS (Science, Mathematics, and Reading Teaching Strategies), jointly proposed by ACMSE and the Math Department, for \$67,225 has been approved by the ADHE. Dr. Umadevi Gairmella of ACMSE is the project Director. Professors Ramesh Garimella, R.B. Lenin, Jean Mcgehee, Jerry Mimms and Carolyn Pinchback will provide professional development Workshops for the project participants.

Computer Science:

- Dr. Hu reported that the Curriculum Committee met last week.
- Dr. Yu Sun and Ms. Karen Thessing have submitted a joint grant proposal with another university to the NSF.

Chemistry:

- Dr. Mauldin reported that the Chemistry Department has recently converted Laney Annex 120 into student lounge to help improve a sense of community and retention.

Biology:

- Dr. Adams reported that at a recent faculty meeting the decision of how to deal with AP Biology credit was made. Credit for independent study, undergraduate research and field studies was clarified and defined at the faculty meeting.
- Dr. Adams also reported the department is continuing to build a Biology Policy Manual.

Physics:

- The Department of Physics and Astronomy hosted the 6th meeting of the Mid-South Chapter of the Acoustical Society of America on March 12th and 13th. Physics majors Josh Lieblong, Asami Nishikawa and Dustin Morris presented posters of their Research at the meeting. Dr. Addison announced that he will be visiting Henderson State and UA Monticello after Spring Break to work on the development of dual degree programs.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – March 29, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, March 29, 2010. All chairs were present.

Agenda Items:

1. Minutes of the March 15, 2010, CoC were approved as amended.
2. Dr. Frederickson reported on the recently called CoD concerning additional budget cuts for FY11.
3. Dean Runge reported that President Meadors has asked each Dean for a list of their college's top five attributes. Dean Runge opened the floor for suggestions. The chairs responded with many positive strengths within CNSM. Dean Runge is going to produce a draft and ask the chairs for comments prior to submission to the President.
4. The agenda item Feedback on CNSM Advisory Board By-Laws led to a lengthy discussion about the purpose of the Advisory Board and if its present state meets the college's objectives. The topic of sub-committees led to the viability of focus committees. Several ideas for focus committees were suggested and the possibility of three, (K-12, Development and Corporate Partnerships) will be explored further.

Miscellaneous Announcements and Reminders:

1. Dean Runge announced that President Meadors has designated former Biology faculty member, Dr. Don Culwell, as a Distinguished Faculty Emeritus.
2. Dean Runge reported on his recent lunch with Dr. Michael Gealt, Dean of the College of Sciences and Mathematics at UALR. Dr. Gealt is also the chair of the STEM Coalition Board. Dean Runge gave Dr. Gealt a thorough tour of our College. A partnership with UALR for working on a program similar to AMSTI, a state-wide program in Alabama to improve K-12 STEM education, was discussed.

Chairs Reports:

Math:

- Dr. Garimella reported that a candidate for the lecturer position was interviewed on Friday before spring break. Two more candidates will interview this week and the committee will meet next week to make a decision.

Chemistry:

- Dr. Mauldin reported that Chemistry has been given permission to bring three candidates to campus to interview for the Lecturer position currently open.

Computer Science:

- Dr. Hu reported that three Computer Science students won second place in the regional programming contest on March 26 at Harding University. The regional programming contest is a part of the Eighth Annual Consortium for Computing Sciences in Colleges Mid-South Conference. Dr. Vamsi Paruchuri is the coach of the UCA team.

Biology:

- Dr. Adams announced that the Arkansas Science Fair will be held Friday, April 2nd and Saturday, April 3rd on the UCA campus.
- Dr. Adams also reported that the department has interviewed two candidates for the Cellular Physiology position and an offer will be made this week.

Physics:

- Dr. Addison reported that he would be traveling to Henderson State University and the University of Arkansas at Monticello this week to discuss the dual degree programs (BS/BSE).
- He also reported that the Physics department had 24 applicants apply for the open Physics position.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – April 5, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, April 5, 2010. All chairs were present except for Dr. Addison.

Agenda Items:

1. Minutes of the March 29, 2010 CoC were approved.
2. Copies of the Equal Employment Review Form were distributed to each chair. Dean Runge reminded the group that Jack Gillean must sign the form before an official job offer can be made.
3. Dean Runge discussed the non-payment student purge issue. Before the students can be reinstated fees must be paid and Dr. Frederickson must speak to the student.
4. Dean Runge opened what will be a continuing discussion on peer evaluations. He asked the chairs to begin thinking and coming up with ideas about how CNSM can administer a functional evaluation for teaching/learning effectiveness.
5. The Dean opened a planning discussion concerning departmental and college annual reports. Dean Runge wants there to be a common set of data for each department. When the Council of Chairs meets 4-19-10, the only agenda item will be annual reports. The chairs should come prepared to the meeting with notes and ideas in order to formulate the common data set that can be used for external reporting.

Miscellaneous Announcements and Reminders:

- Dean Runge expressed appreciation for the positive participation of the CNSM faculty in the Arkansas State Science Fair and the Arkansas Junior Academy April 2nd and 3rd.
- The Dean reminded the chairs about Bear Facts Day April 9th.

Chairs Reports:

Math:

- Drs. Long Le and Steve Butcher served as judges in the Arkansas State Science Fair last week.
- The Math department has been approved by the Graduate School to award 20 graduate teaching assistantships along with tuition waivers for the AY 2010-11.

Chemistry:

- Dr. Mauldin announced that Dr. Kyle Felling recruited and coordinated the judging for the Arkansas State Science Fair.
- Drs. Karen Steelman, Pat Desrochers, Bill Taylor, Faith Yarberry, Don Perry and Rick Tarkka were judges for the Arkansas State Fair.
- Dr. Nolan Carter was the State Director of the Arkansas Junior Academy.
- Drs. Lori Isom, Melissa Kelley, Rick Tarkka, Pat Desrochers, Don Perry and Karen Steelman served as judges for the Arkansas Junior Academy.

Computer Science:

- Dr. Hu reported that Dr. Vamsi Paruchuri and Ms. Karen Thessing served as judges at the Arkansas State Science Fair.

Biology:

- Dr. Adams reported that an offer has been made and accepted for the Cellular Physiology faculty position.
- Drs. Barbara Clancy, Jeff Padberg, Reid Adams, Ben Rowley, J. D. Swanson, and Ms. Leah Horton served as judges at the Arkansas State Science Fair.
- Dr. Mark Bland continues to serve as the President of the Arkansas Science Fair Association and Director of the Arkansas State Science Fair. Mr. Jerry Mimms is the Vice-President of the Arkansas Science Fair Association and also serves as the Local Arrangements Chairperson.

Physics:

- Physics faculty serving as judges for the Arkansas State Science Fair were Drs. Debra Burris, Scott Austin, Azida Walker and Balraj Menon.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – April 12, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, April 12, 2010. Cassandra McCuien Smith, Director of Purchasing, was a guest.

Agenda Items:

1. Cassandra McCuien Smith explained purchasing deadlines and their necessity for University accounting to meet State reporting requirements. The chairs asked Ms. McCuien Smith questions pertaining to their particular department's needs concerning the upcoming deadlines of May 19th, June 8th and June 30th. May 19th is the last day to prepare a requisition, June 8th is the last day to make purchases on P-cards and June 30th is the end of the fiscal year. It was recommended that standing purchase orders for specific vendors be completed to allow purchases after May 19th if necessary. An emergency purchase order can be generated with special permission from Diane Newton. Each department can designate the number of purchase orders to roll over to the new fiscal year. To do so, for grants contact Sandy Ahne and for department funds contact Marica Girdler. Ms. McCuien Smith stressed that the departments must not backorder items after the May 19th date. Dr. Frederickson asked if there could be a change in the billing cycle for the P-card and Ms. McCuien Smith said that she would check on it. After the informative consultation Ms. McCuien Smith excused herself.
2. Minutes of the April 5, 2010 were approved as amended.
3. Dean Runge discussed the CNSM Recruitment Day scheduled for May 1st. An email from Penny Hatfield outlining various events and discussing ideas for the day was distributed to the chairs. Students with their posters from the Poster Symposium (April 23rd) will be in representing their departments. Dr. Adams suggested Poster Socials to be held following lunch. This idea was accepted unanimously. Dean Runge asked the chairs to encourage their research students to participate. Dr. Addison noted that having a faculty member sitting with students at lunch has been very successful and suggested that it would be a good idea to do that for the recruitment day. Again, this was accepted unanimously.
4. The draft of the Tenure and Promotion Guidelines that was prepared by the Deans's Advisory Committee and reviewed by the College Tenure and Promotion Committee was presented to the Council of Chairs. After making amendments it will back before the Dean's Advisory Council.

Miscellaneous Announcements and Reminders:

1. Dean Runge reminded the chairs that the only agenda item for next week's CoC will be Annual Reports.
2. Dr. Frederickson asked the chairs to be considering equipment list needs.

Chairs Reports:

Math:

- No report.

Chemistry:

- Dr. Mauldin reported that Laney is in the process of getting a “green roof.”

Computer Science:

- No report.

Biology:

- No report.

Physics:

- Dr. Addison reported on his recent visits to Henderson State University and University of Arkansas-Monticello concerning the dual degree program. He is optimistic about our ability to develop these programs in the near future.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – April 19, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, April 19, 2010. All chairs were present except for Dr. Adams. Ms. Leah Horton attended the first hour of the meeting representing Biology.

Agenda Items:

1. Dean Runge opened the discussion about the Annual Report. In an effort to integrate the reporting data for each department the Chairs went over several points and a list of common data sets was generated. This list will be reviewed at the next CoC.
2. Minutes of the April 12, 2010 CoC meeting were approved as amended.
3. Presenting awards at the annual Poster Symposium was discussed. A plan will be developed for presenting College awards in the spring of 2011.
4. Computers dedicated to a particular projector were considered and Dean Runge asked the Chairs to get the numbers of classrooms and labs affected to the Dean's office by Friday, April 23rd.

Miscellaneous Announcements and Reminders:

1. Dean Runge announced that Provost Grahn is in the process of setting guidelines for domestic travel with students. Dr. Jonathan Glenn is preparing a document that will require the signature of both the student and faculty member before the travel takes place.
2. Provost Grahn also asked that chairs encourage all faculty to give a hard copy of the program completion plan to students when advising.

Chairs Reports:

Math:

- Dr. Garimella reported that Dr. Linda Griffith receive an extension grant of \$75,934 from SEARK to continue her work on the Target Interim Formative Assessment Project.
- For AY 2010, the Math Department gave the Outstanding Graduate Teaching Assistant Award to David Ekrut, a second year MS student. The O.L. Hughes Award for the outstanding senior for 2010 went to Jing Voon Chen. Jing has been accepted to Texas A&M to pursue a graduate degree in Mathematics. The Dorothy Long Award for the outstanding junior female for 2010 went to Kirsten Trainor. All awardees will receive a plaque and monetary award at the department spring

picnic for April 30th.

- ACTM Math Contest Exams will be held on Saturday, April 24th in MCST. Three hundred high school students from across the state have been invited to participate in the contest.

Chemistry:

- Dr. Mauldin reported that he recently met with ten graduating seniors to conduct an exit survey. Four out of the ten graduating Chemistry students have been accepted to graduate programs: Liz Schiefer has been accepted to graduate school in chemistry at Georgia Tech, D.J. Martin has been accepted to graduate school in chemistry at Texas A&M, Scott Cordova has been accepted to an MD/PhD program at Emory University, and Kimberly Berry has been accepted to the Pharmacy School at UAMS.

Computer Science:

- Dr. Hu reported that at the 2010 Annual ALAR Conference on Applied Research in Information Technology, Computer Science students made seven presentations directed by their faculty mentors. The work titled Interval K-Means Algorithm by Abhinav Atla, Matthew Johnson and Benjamin Nordin won the First Place of Student Research Award of the 2010 ALAR Conference.

Biology:

- No report.

Physics:

- No report.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – April 26, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, April 26, 2010. All chairs were present.

Agenda Items:

1. Minutes of the April 19, 2010 CoC were approved as amended.
2. The Arkansas Science Talent Search, a statewide competition for high school students who have performed a significant research project was discussed. After four years of doing a superior job, Dr. Will Slaton will be vacating his position as Director. Dean Runge asked the chairs to begin considering names of faculty who could fill the vacant position.
3. Dean Runge met last week with Vice President of Finance, Diane Newton, Terry Canino and Cassandra McCuien Smith to discuss purchasing deadlines. Significant progress was made in helping each unit understand the others concerns and how we might make improvements moving forward.
4. A draft of the Assessment Guidelines was distributed to the chairs. Dr. Mauldin opened the discussion with some suggestions for changes in the draft. Several appropriate changes were suggested by other chairs. The draft will now go back before the Assessment Committee in order to review the suggested changes.
5. The CNSM Recruitment Day, which is scheduled for Saturday, May 1st was discussed.
6. A handout regarding the budget was presented to the chairs and discussion followed. The Dean asked the chairs to go over it carefully and check the numbers for accuracy.
7. Dean Runge told the chairs that he would send out his list of data tables developed last week at the CoC in a few days.

Miscellaneous Announcements and Reminders:

1. Dean Runge told about the meeting that he attended in Rogers this past weekend about the teaching and learning for the "digital generation".
2. Dr. Frederickson encouraged the chairs to look closely at the Strategic Planning documents on-line and provide feedback.
3. Dean Runge reminded the council that commencement will be Saturday, May 8th. Dr. Addison will lead the undergraduate line and Dr. Frederickson will lead the graduate line.

4. Dean Runge expressed appreciation to CNSM students and their mentors for all their hard work through out the year and their participation in the Poster Symposium April 23rd.

Chairs Reports:

Math:

* No report.

Chemistry:

- On Friday, April 16th, ten senior chemistry majors took the Education Testing Service's Major Field Test in Chemistry. The total scores, as well as subscores, in Physical Chemistry, Inorganic Chemistry, Analytical Chemistry, Biochemistry and Critical Thinking were in the 85th-90th percentile, indicating that our students scored better than 85-90% of students in the nation who took the same exam.

Computer Science:

- Dr. Hu reported that the Computer Science department presented two awards at the Poster Symposium May 23rd. Jonathan Wammack was awarded a \$500.00 scholarship by the Arkansas Academy of Computing. Vincent Yip won the 2010 Outstanding Graduate Award from the Computer Science department.

Biology:

- Dr. Adams reported that at a recent department meeting the procedures and policies for reviewing undergraduate research was discussed in depth.
- The Graduate Assistant Teaching Award will be presented at the Biology department social Thursday, May 6th. The social will take place at Beaverfork Lake.

Physics:

- No report.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – May 10, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, May 10, 2010. All chairs were present except for Dr. Addison. Dr. Frederickson represented the Department of Physics and Astronomy.

Agenda Items:

1. Minutes of the April 26, 2010 CoC were amended.
2. Dates for the annual chairs' retreat were discussed. The first two weeks of August were agreed upon.
3. The draft of Annual Report Guidelines was reviewed again. After comparing it to the Annual Report Format for Academic Departments that Provost Grahn sent to the Council of Deans it was decided that Dean Runge will ask Leigh Ann DenHartog to prepare a template to fit both set of guidelines.
4. The Council of Chairs reviewed the draft of the Tenure and Promotion Guidelines. After agreeing to a change recommended by Dr. Mauldin it was decided that the draft will go back before the Dean's Advisory Committee.
5. The draft of the Assessment Guidelines came before the Council of Chairs for additional review. The purpose of the assessment was defined as an examination of programs intentions. The guidelines will be further developed and redistributed.
6. The Outstanding Student Award was discussed. Considerations of college versus university were taken into account. The process of selecting the student will be reworked for next's year selection.

Miscellaneous Announcements and Reminders:

1. Dean Runge recognized Dr. Don Culwell for receiving Distinguished Professor Emeritus at the spring commencement May 8th.
2. The Scholarship Committee is going to be renamed. Dean Runge asked the chairs for suggestions.
3. A draft of the Domestic Travel Course Declarations and Disclaimers for participating students was distributed.

Chairs Reports:

Math:

- At the 2010 spring commencement, degrees were awarded to 13 undergraduate and 2 graduate students. Out of 13 undergraduates, 8 received the BS degree and the remaining the BSE degree.
- Out of the 13 students who graduated, 7 students will join a graduate program at the following universities: UCA: 2 MS (Applied Mathematics) and 2 MA (Math Education, Baylor: 1 MSE (Mathematics Education), Texas A&M: 1 MS (Mathematics) Iowa State University: 1 Ph.D (Economics).
- Last week twelve graduating seniors took the MFT exam. The average is approximately 157, which is significantly better than a couple of years ago. One student received the perfect score of 200.
- The Association of Mathematics Teachers Educators had invited states to submit applications to participate in a conference to be held on June 22-23 in Louisville, KY. The focus of the conference is Elementary Mathematics Specialists State-level Certification. AMTE received applications from 21 states and were only able to accept 10 state teams. Arkansas was one of the selected. The Arkansas team has five members, selected by the ADE. Dr. Linda Griffin, a professor in the UCA Math Department, and Dr. Diana Pounder, UCA Dean of Education were invited to be part of the team.

Chemistry:

- Dr. Mauldin reported that the Chemistry had their end of year picnic May 14th and it was well attended.
- Channel 7 did a feature on Laney's new green roof.
- Dr. Mauldin announced that four senior Chemistry majors were presented with awards for excellence in academics and service at the Awards and Recognition Banquet of the Central Arkansas Section of the American Chemical Society held at UALR April 20th. The students are: DJ Martin, Liz Schiefer, Daniel Fields and Martin Sharum.

Computer Science:

- Dr. Hu reported that on April 27th four Computer Science students, Christopher Rhodes, Wayne Werner, Luke Irvin and Matthew Johnson, made presentations to the Junior and Senior class at Mayflower High School. Dean Runge, Dr. Hu and Dr. Paruchuri also attended.
- Dr. Hu also reported that the Computer Science Department retreat April 30th was a resounding success.
- Dr. Hu is taking sabbatical leave. Drs. Sun and Paruchuri will stand in as acting chair until he returns August 15th.

Biology:

- Dr. Adams announced that Dean Turbeville and Autumn Brewly received University Outstanding Student Awards.
- Geoff Smith and Justin Wright were awarded the Graduate Assistant Teaching Excellence Awards at the annual Biology picnic at Lake Beaverfork May 7th.
- Dean Runge announced that Dr. Brent Hill will be replacing Dr. David Dussourd as graduate coordinator and associate Biology chair. Dean Runge acknowledged Dr. Dussourd's excellent service in both positions.

Physics:

No report.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – May 24, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, May 24, 2010. All chairs were present except for Dr. Hu (sabbatical). Dr. Young attended representing Computer Science

Agenda Items:

1. Minutes of the May 10, 2010 CoC were approved as amended.
2. August 4th and 5th are the dates for the annual CNSM Chairs' Retreat to be held at Winthrop Rockefeller Center. Dean Runge asked the chairs to send agenda items to the Dean's office.
3. An email sent to President Meadors from Dr. Jim Purcell, Director of Arkansas Department of Higher Education, listing Arkansas's core team for Complete College America (CAA) Alliance of the States was distributed to the chairs. Dean Runge stressed that although we must work toward the goal of increasing college graduates, we must remember our challenge to achieve this goal while maintaining our high academic standards. All departments need to be thinking about innovative ways to attract and graduate new students, including the development of new programs targeting emerging industries in Arkansas.
4. Dean Runge distributed handouts from NACEP outlining student standard and required evidence. NACEP is the accrediting body for concurrent/dual credit courses between high schools and colleges/universities. The chairs will meet with the deans campus wide June 2nd to discuss concurrent enrollment and NACEP accreditation.
5. The Dean discussed getting the lab sciences together and developing a common set of learning outcomes for general education courses.

Miscellaneous Announcements and Reminders:

1. Dean Runge discussed commencement and asked the chairs to be mindful of the significance of the occasion and for the marshals to congratulate and answer questions of the students in line.
2. Dean Runge announced that Leigh Ann DenHartog is developing data templates for the annual report. Leigh Ann is working closely with Institutional Research.
3. Dean Runge announced that enrollment for fall 2010, at 71 days before the term begins, is down 3.9%.

4. Dr. Frederickson handed out budget material tallied by Native Banner and asked the chairs to check the information against their department's spreadsheets.

Chairs Reports:

Math:

- Assembly of the Callisto Cluster, UCA's first research computer cluster, is complete and ready for installment of the operating system. It will be made available for faculty members who need high power computing capabilities. The project was funded by the President's Office, CNSM and the Department of Mathematics. Drs. Burg (Math), Carmack (Math), Lenin (Math) and Meador (Communications) are involved in building and maintaining the cluster.
- Drs. Ramesh Garimella and Jean McGehee represented UCA at the College Ready workshop, an NSF funded project, organized last week on the campus of the University of Arkansas-Fayetteville.

Chemistry:

- Dr. Mauldin reported that Dr. Melissa Kelley has received an NIH INBRE Project Leader research grant for \$545,681.00.

Computer Science:

- No report.

Biology:

- Dr. Adams reported that Drs. Brent Hill and Kari Naylor have been awarded INBRE Project Leader research grants. Dr. Runge has also been awarded an INBRE grant for renovation of the old Gross Anatomy lab and for the acquisition and installation of a new autoclave.

Physics:

- No report.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – June 7, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, June 7, 2010. All chairs were present except for Dr. Hu (sabbatical). Dr. Sun represented the Computer Science Department.

Agenda Items:

1. Minutes of the May 24, 2010 CoC were approved.
2. Dr. Frederickson discussed the budget. He specified that the Fiscal 2011 budget is not yet accessible in Banner. A discussion about receiving, invoicing and paying purchase orders followed. It was decided that Marcia Girdler, supervisor of Accounts Payable, would be invited to the next CoC, June 21st.
3. Dean Runge asked Dr. Frederickson to give an update on the progression of the STEM Residential College programs. Dr. Frederickson stated that 180 beds have been filled with only 30 male occupancies left. All female rooms have been filled. He also reported that the physical reconstruction of Arkansas Hall is moving along on target. He invited the chairs to tour the construction.
4. Dean Runge addressed the chairs on our summer school projections. He reiterated that President Meadors continues to stress increasing summer school enrollment. Advertising for summer 2011 is going to begin much sooner than the advertising began for summer 2010. Dean Runge asked the chairs to be thinking about the classes to be offered and the best way to promote these courses to students, on and off campus.
5. Drs. Frederickson, Adams, Addison and Garimella reported on the Concurrent Credit Accreditation meeting that they attended June 2nd.
6. Both Dean Runge and Dr. Frederickson urged the chairs to attend the upcoming SPARC meetings to be held this fall. They encouraged the chairs to check the academic planning documents to prepare for the SPARC meetings. Academic planning and strategic planning will be a significant part of the summer retreat agenda.

Miscellaneous Announcements and Reminders:

1. Dean Runge reported on the STEM Coalition Board Meeting he had attended previous to the CoC meeting. He commended Ms. Leah Horton on her presentation about the STEM Residential College. Ms. Horton's address was met with much interest and enthusiasm.

2. Dean Runge reminded the chairs that Annual Reports are due to the Dean's office July 1st. Dr. Frederickson added that it was a goal to have much of the data required for the reports available on ARGOS to make the reporting procedure easier and more efficient.
3. Dean Runge reported on the recent meeting to develop a proposal for NSF's GK-12 program. Dr. Adams has scheduled weekly meetings for the faculty group developing the proposal.
4. Dean Runge charged the chairs to turn in a report of errors and problems found in the Arkansas Course Transfer System (ACTS) by August 1st. The Dean's office will then work through Jonathan Glenn on trying to make corrections.

Chairs Reports:

Math:

- No report.

Chemistry:

- Dr. Mauldin reported that Drs. Steelman and Felling have received informal word that a grant from NSF for a proposal titled "Supercritical Fluid Extraction: A non-Destructive Pretreatment Method for Plasma Oxidation & AMS Radiocarbon Dating" will receive funding.
- Dr. Perry has received informal word that funding from NSF for a proposal titled "RUI: Development of Organic and Biological Films on Vapor-deposit Metal Nanostructures" will be received.

Computer Science:

- No report.

Biology:

- Dr. Adams reported that he and Dr. Ginny Adams have been awarded a \$20,000 grant titled "Assessment of Snakehead in the Big Piney Creek Watershed" by the US Fish and Wildlife Commission and Arkansas Game and Fish Commission.
- Dr. Reid Adams has been awarded a grant in the amount of \$27,500 from the US Fish and Wildlife Service and Arkansas Game and Fish Commission. The grant is titled "Movements, Habitat and Reproduction of the Alligator Gar in the Fourche LaFave River."

Physics:

- No report.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – June 21, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, June 21, 2010. All chairs were present except for Drs. Adams and Hu. Dr. Yu Sun represented the Computer Science Department and Ms. Leah Horton represented the Biology Department. Ms. Marcia Girdler, Project Coordinator of Accounts Payable and Travel, was a visitor.

Agenda Items:

1. After introducing Marcia Girdler to the Council of Chairs Dean Runge turned the floor over to questions and answers concerning standing purchase orders. Ms. Girdler assured the group that standing purchase orders on grants will roll over to the new fiscal year. On future requisitions the ending date should be entered. Regarding the series of grants that came in late, if something must be ordered between now and June 30th the check request form should be completed and must be approved by Diane Newton before being processed.
2. Minutes of the June 7, 2010 CoC were approved as amended.
3. Dean Runge distributed a handout to the chairs concerning using clickers versus cell phones. He asked the chairs to consider the advantages and disadvantages of obtaining software to use cell phones instead of clickers. The topic will be investigated further at a future CoC.
4. Dean Runge asked the chairs to review the department's student success stories that he composed from the separate lists sent to the Dean's office earlier in the week. The chairs need to pare their lists to the top ten and send them to the Dean's office by Wednesday, June 23rd. Updated descriptions of Program Capacities also need to be submitted to the Dean's office by Wednesday, June 23rd.
5. The Council of Chairs briefly discussed the draft of the Assessment Guidelines. Dean Runge advised that the draft will be discussed in depth at the Chairs' Retreat in August.
6. A revision for the Tenure and Promotion Guidelines draft was reviewed and minor edits suggested. The modified draft will go back before the Dean's Advisory Board.
7. Departmental Foundation contributions were discussed. Dean Runge praised the Math department for their large number of contributors and show of solid support for the department programs. Dean Runge asked the chairs to work with Leigh Ann DenHartog on tabulating data related to Foundation giving.
8. Developing the new minor, Public Scholarship and Community Engagement,

was discussed. It was decided that the STEM Advisory Board will be charged with developing the program proposal.

9. Dean Runge announced that Provost Grahn has not yet called for college position requests but that the request from CNSM would be submitted soon.

Miscellaneous Announcements and Reminders:

1. Dean Runge reported on the iPad workshop, *Introducing the Apple iPad, The Future-In Your Hands*, that he, Drs. Frederickson, Garimella, Ms. Leah Horton and several Mathematics faculty members attended Sunday, June 20th at the Arkansas School of Math and Science in Hot Springs.
2. Due to UCA being closed Monday, July 5th, in observance of Independence Day, the next scheduled CoC meeting will be Tuesday, July 6th at 3:00 p.m.
3. Dr. Frederickson reminded the chairs that everyone should have their new budgets by now.

Chairs Reports:

Math:

- Dr. Garimella reported a paper titled "Nonclassical Symmetries of a Class of Burgers' Systems," authored by Drs. Danny Arrigo, Long Le and students, David Ekrut and Jackson Fliss has been accepted for publication in *Journal of Mathematical Analysis and Applications*. Jackson Fliss is an undergraduate student and David Ekrut is graduate teaching assistant in the Applied Mathematics program.
- Dr. Patrick Carmack and his colleagues from the College of Education, Drs. Daniels, Gibson and Smith, published a paper "Predictive Power of Standard Variables on Post Secondary Achievement in Arkansas," in the *Journal of College Student Retention: Research, Theory and Practice*.
- The paper "A System of Systems Approach: A Benchmark to WSNs Mobility Models" authored by Dr. R.B. Lenin and his collaborators at UALR has been accepted by the 5th IEEE International Conference on System of Systems Engineering to be held at the Loughborough University, UK.
- Dr. Ramesh Garimella gave a research presentation, *On Solutions of an Operator Equation*, at the 2010 Great Plains Operator Theory Symposium, held on the campus of the University of Denver from June 14 – 18.
- During the week of June 14 – 18, 2010, approximately 30 middle and high school teachers from across the state participated in the Algebra II workshops held in the Department of Mathematics at UCA. The planning sessions for the

workshops were held on May 26th and 27th. The Math faculty involved in these workshops were Drs. Clarence Burg, Fred Hickling, Linda Griffith, Ramesh Garimella and Long Le. The workshops were part of an MSP grant received by Ms. Aimee Evans of the Arch Ford Foundation.

- Mathematics faculty members, Drs. Jean McGehee and Carolyn Pinchback presented workshops for 25 elementary teachers from this region. The workshops were part of the ADE grant: K4SMARTS received by Dr. Umadevi Garimella, director of ACMSE.

Chemistry:

- Dr. Mauldin reported that within the last 21 years, faculty members of the Chemistry department at UCA have won university-wide awards in teaching 5 times, in service 2 times and in research 2 times, for a total of 9 awards in just over 2 decades. Individual names and awards are listed below:

Teaching Excellence

Michael Rapp 1989

Paul Krause 1994

Patrick Desrochers 2001

Lori Isom 2005

Nolan Carter 2008

Public Service

Michael Rapp 1997

Jerry Manion 1999

Research, Scholarship and Activity Award

William Taylor 2001

Patrick Desrochers 2004

Computer Science:

- Dr. Sun reported that Dr. Vamsi Paruchuri is attending the NSF Broader Impacts for Research and Discovery Summit June 21st – 23rd.

Biology:

- No report.

Physics:

- Dr. Addison reported that Dr. Debra Burriss participated in the workshops offering intensive training for middle and high school teachers in science programs and labs to take back to their respective schools and classrooms. The workshops were made possible by grants to the Arkansas Center for Mathematics and Science Education at UCA.
- The mother of Dr. Heather Woolverton has generously donated \$10,000 to

establish the Heather Woolverton Scholarship Fund in memory of her daughter who passed away in November 2009. Dr. Woolverton was an associate professor in the Department of Physics and Astronomy.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – July 6, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, July 6, 2010. All chairs were present except for Dr. Hu (sabbatical). Dr. Paruchuri represented the Computer Science Department.

Agenda Items:

1. Minutes of the June 21, 2010 CoC were approved as amended.
2. Touring the new STEM Residential College as a homecoming activity was discussed. The event will need to be publicized.
3. Copies of the Compensation and Benefits Policy for Academic Administrators and an accompanying Faculty Senate Resolution were distributed and briefly discussed. It was decided that this topic will be included on the Chairs' Retreat agenda.
4. Formation of a committee to examine CNSM general education courses was tabled until the HLC report is published.
5. A copy of a draft letter to CNSM Advisory Board members discussing the decision to form three Advisory Boards was distributed and discussed. Dr. Addison pointed out that within the confines of the three boards titled K- 12, Corporate Partnerships and CNSM Development there could be a problem including government lab workers. It was unanimously agreed to change the name of "Corporate Partnerships" to "Corporate and Government Partnerships".

Miscellaneous Announcements and Reminders:

1. Dean Runge distributed the revised course evaluations to the appropriate chairs. He asked the chairs to think of ways to schedule courses so that they would automatically cluster appropriately in the Banner system.
2. Dean Runge reminded the chairs to be considering an awards banquet for CNSM for spring 2011.
3. Dean Runge stated that a new Environmental Health and Safety Committee was going to be appointed through the Faculty Senate. Biosafety will be a part of this committee.
4. Dean Runge handed out copies of the Minority Recruitment and Retention Five-Year Plan Guidelines. The Dean stressed that CNSM should be proactive in recruiting and retaining minority students and faculty. The College will be working on this plan during the 2010-11 academic year.

5. Dean Runge announced that Provost Grahn is requesting a report indicating how departments are ensuring that the most effective communicators are teaching in the college's general education program. Each chair was asked to have a report for their department to the Dean's office by Monday, July 12th.
6. Dean Runge announced that Alex Chen has been hired as the Associate Vice-President for International Engagement effective July 15th.
7. Provost Grahn has requested that by-laws (written guidelines) regarding the governance structure for all departments be developed, if they do not already exist. The procedures by which departmental committees are formed was offered as an example starting point for developing these guidelines.
8. Dean Runge announced that the Provost Office has requested that letters of agreement for hiring faculty members accompany PAFs. Information such as years credited toward tenure and/or promotion should also to be put on the PAF. Dr. Frederickson added that it would be beneficial to specify time lines for start-up funds (funding and expenditures) in the agreement letter, if that is not already being done.
9. The Department of Undergraduate Studies has been dissolved effective July 1st. Dr. Sally Roden is presently the Interim Vice-President of the newly formed Division of Enrollment Management. As a part of this realignment, faculty of the University College, Resident Masters and other non-affiliated faculty currently in Undergraduate Studies will become members of the appropriate department.
10. Dr. Jonathan Glenn is now the lead person for Banner.
11. Dean Runge announced that Dr. Glenn will be sending out a template for the revived Faculty Activity Schedules.

Chairs Reports:

Biology:

- Dr. Adams reported that the committee for the GK-12 proposal is meeting weekly.
- A recent article in Miller-McCune magazine regarding the Arkansas Game and Fish Commission's effort to eradicate the Snakehead fish highlighted UCA's contribution to the endeavor.

Chemistry:

- Dr. Faith Yarberry participated in a summer 2010 institute for teachers funded by a grant obtained by the Arkansas Center for Mathematics and Science Education. The title of the project was "MSP-Science Lead Teacher Institute." The grant was funded by the US Department of Education through Arkansas Department of

Education. Dr. Yarberry met with between 14-28 teachers from grades 7th - 11th between July 7th and 25th. These individuals teach classes ranging from 7th grade science to chemistry in local Arkansas schools. The idea behind the institute was to show teachers how to emphasize similarities between the sciences so that students could focus on new concepts realizing they possess the foundation from previous classes. Dr. Yarberry provided teachers with lesson plans, demonstrations, overheads, and laboratories that they could use in the classrooms to illustrate chemical concepts and their connection to biological concepts. The teachers left Dr. Yarberry's portion of the institute with information as well as materials that can be used to illustrate the concepts in the coming year. The materials included glassware and chemicals purchased through the grant.

Computer Science:

- No report.

Math:

- Dr. Garimella reported that Dr. Clarence Burg is involved in the UCA Upward Bound summer program for the third year, teaching a preparatory course in Algebra II. The Upward Bound program is funded through the U.S. Department of Education's Trio program, with the goal increasing the rate at which participants complete high school and enroll and graduate from colleges and universities.

Physics:

- Dr. Addison reported that the EPSCOR committee is being reorganized. Dr. Addison will attend a meeting later in the month concerning the reorganization.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – August 2, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, August 2, 2010. All chairs were present.

Agenda Items:

1. Minutes from the July 6, 2010 CoC were approved as amended.
2. The newly established procedure for on-line leave reporting was discussed. Dr. Frederickson asked the chairs to make sure that the approval order is correct.
3. The Arkansas Small Business & Technology Development Center was briefly discussed. Entrepreneurship will continue to be explored in the College.
4. President Meadors and Provost Grahn have encouraged CNSM to participate in the Council on Undergraduate Research (CUR) marketing efforts. Dean Runge suggested that the chairs look over their recent Success Stories list for potential nominees. Each chair should have their nominations by Monday, August 9th.
5. Copies of the rubric for assessment of oral communication skills that Dr. Mauldin developed after attending Chalk Talks were distributed and discussed. Dr. Addison volunteered to provide copies of the Teacher/Education rubric at a future CoC.
6. The College of Liberal Arts Peer/Aspirant Institutions list was reviewed and revised in accordance with CNSM's framework. Dean Runge will prepare the final list and forward to Provost Grahn. Peer and Aspirant Institution list will be finalized at an upcoming COD Meeting.
7. Dr. Frederickson gave an update on the progress of the STEM Residential College resident hall. He will be attending a residential college boot camp at Mt. Nebo Tuesday, August 3rd.
8. The upcoming Chairs' Retreat was discussed. Dean Runge reminded the chairs to appoint an acting chair while they are out of the office August 4th and 5th.

Miscellaneous Announcements and Reminders:

1. Dean Runge reported on a recent meeting with Dr. Jonathan Glenn where the Faculty Activities Schedule was discussed. Dr. Glenn is in the process of revamping the form to accommodate various departments. One idea that was discussed was the creation of a no credit course for undergraduate research students. This would aid in quantifying the number of students participating in

undergraduate research each semester.

2. Drs. Runge and Frederickson attended the 6th Annual Conference of Academic Deans July 29th – July 31st. Dean Runge made a presentation titled “The Deanship Myth and Reality in the Early Years” Friday afternoon at the conference.
3. Dean Runge announced that there will be a CNSM specific “Bear Facts” recruiting day in October.

Chairs Reports:

Biology:

- Dr. Adams reported that Biology students, Lee Reno and Kara Wiegand, recently defended their theses. Dr. Ben Rowley was their mentor.
- Dr. Adams also reported that the renovation of the Gross Anatomy lab is scheduled begin to August 3rd.
- Dr. Reid Adams and student, Ed Kluender, recently gave presentations at the Faulkner county library. The subject matter was Alligator Gar conservation and Biology.
- Dr. KC Larson and students, Justin Wright and Geoff Smith, also recently gave presentations at the Faulkner county library on the Jewell Moore Nature Reserve.
- Two members of the Fisheries Club helped the Arkansas Game and Fish Commission with their yearly sampling on Lake Conway. The students collected specimens to use in Bio II labs.

Chemistry:

- Dr. Mauldin announced that Dr. Kyle Felling has resigned. Dr. Kristin Dooley is being hired as an emergency replacement.

Computer Science:

- Dr. Hu reported that ABET has accredited the Computer Science department until 2014.

Math:

- Dr. Garimella reported that 10 Math Education and Applied Math students will graduate with Masters degrees in the summer commencement.
- Workshops for concurrent teachers are being conducted Monday, Tuesday and Wednesday of this week. Drs. Charles Watson, R.B. Lenin and Patrick Carmack are conducting workshops for the College Algebra and Elementary Statistics teachers. Drs. Ramesh Garimella, Clarence Burg and Danny Arrigo are conducting Calculus workshops.

Physics:

- Dr. Addison reported on the recent EPSCoR meeting that he attended. The state EPSCoR meeting will be October 4th and 5th.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – August 30, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, August 30, 2010. All chairs were present except for Dr. Mauldin.

Agenda Items:

1. Minutes from the August 2, 2010 CoC were approved as amended.
2. The summer salary for independent study and thesis agenda item was tabled until the next CoC meeting.
3. Dean Runge asked the chairs for feedback on the CNSM College Meeting and the presentation of the draft strategic plan that took place August 25th. A productive discussion followed. Refinement of our strategic plan along with the development of implementation plans will continue through the year.
4. Dean Runge distributed copies of the College Distinctiveness Features and College of Natural Sciences and Mathematics Top 5 Distinctive Features list. He reported that President Meadors is requesting an update of the list for informing state and local organizations. The chairs discussed the list and made several changes and improvements. The Dean asked the chairs to further explore the options and to send any new information to him by noon tomorrow.

Miscellaneous Announcements and Reminders:

1. Dean Runge informed the chairs that he wants to attend an early department meeting to discuss strategic planning.
2. Dean Runge reminded the chairs of the Promotion and Tenure deadlines: September 1st material is due to the department, October 1st material due to chair, October 15th material due to college committee, December 1st material due to Dean and December 15th material due to Provost.
3. Dean Runge met with President Meadors and other senior administration last week concerning the Jewell Moore Nature Reserve boundaries and the proposed Greek Village. The surveyor's boundaries were discussed and agreed upon. Assurances were given that these boundaries and the Reserve as a whole will be respected in the development of the University Master Facilities plan. Approval of Conservation Easement status for the Reserve will be requested from the UCA Board of Trustees at the next board meeting.
4. Dr. Frederickson reported that UCA Registrar, Tony Sitz, is seeking the advisability of having summer school schedules ready in October allowing

registration to open up in November. The chairs did not express any serious concerns about this plan.

5. Dr. Frederickson, along with Dr. Tim Atkinson, Sponsored Programs Director, attended the AASCU Grants Resource Center: External Funding Conference in Washington DC last week. Dr. Frederickson was able to discuss funding possibilities for the new STEM Residential College with program directors from NEH and NSF. Faculty considering submitting external proposals should talk to Sponsored Programs about the possibility of attending the February meeting of the GRC.

Chairs Reports:

Biology:

- Dr. Adams reported that he and a number of Biology graduate students will attend a workshop by David Bauer, a nationally-known expert on grants, September 2nd.
- Dr. Sally Entrekin is the director of a grant funded by the US Fish and Wildlife Services and the Game and Fish Commission to assess physical, chemical and biological effects before, after and during gas well construction in headwater streams. Drs. Ginny and Reid Adams are a part of this collaborative effort.

Chemistry:

- No report.

Computer Science:

- The Computer Science Department submitted to the NSF a REU proposal titled "HIT @UCA." The proposal involves multiple faculty members. Drs. Vamsi Paruchuri and Yu Sun are the P.I. and the co-P.I.

Math:

- Dr. Garimella announced that Dr. Patrick Carmack has received another contract from the University of Texas Southwestern Medical Center at Dallas for approximately \$40,000 to continue research work on DIT and fMRI data analysis.
- An article titled *Designing Dynamical Output Feedback Controllers for Store-operated Ca²⁺ Entry* has been accepted in *Math Biosciences*, a major journal in math biology. The article was authored by Dr. Weijiu Liu, Jing Voon Chen (a UCA undergraduate math major presently pursuing an MS degree in mathematics at Texas A&M University), and UALR faculty member, Fusheng Tang.

Physics:

- Dr. Addison reported on the latest Cyberstructure RFP information. Arkansas NSF EPSCoR calls for white papers for the NSF EPSCoR Program R11 C2 Project: EPSCoR Research Infrastructure Improvement Program: Inter-Campus and Intra-Campus Cyber Connectivity (R11C2). Information and the cover page can be found at <http://www.nsf.gov/pubs/2010/nsf10598/nsf10598.pdf> Deadline for white paper submission is September 14th.
- Dr. Linda Gatti Clark has been hired as a visiting assistant professor for the academic year.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – September 13, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, September 13, 2010. All chairs were present except for Dr. Adams. Dr. Brent Hill represented the Biology Department. Dr. Uma Garimella and Ms. Leigh Ann DenHartog were guests.

Agenda Items:

1. Dr. Uma Garimella, Director of the Arkansas Center for Math & Science Education Center, addressed the council concerning the proposal to change the name of the center to the UCA STEM Education Center.
2. Leigh Ann DenHartog addressed the council about Bear Facts Day Saturday, September 18th. Targeting parents as well as students was discussed. It was decided that a panel of students would be organized for the prospective students to question. The chairs were asked to email Leigh Ann ASAP with names of participating students.
3. Minutes of the 8-30-10 CoC were approved as amended.
4. Summer salary for independent study and thesis was discussed.
5. Dean Runge stated that he is in favor of filing syllabi electronically as opposed to keeping hard copies. The logistics of carrying out the project was discussed. It was determined that beginning with spring 2011 syllabi will be kept electronically.

Miscellaneous Announcements and Reminders:

1. Dean Runge announced that graduate school enrollment is down by 20 students. However, CNSM's numbers are up.
2. Travel money allocated by the President will be distributed to the Departments based on an FTE faculty calculation. Funds will be disbursed in the next 2-3 weeks.
3. Dean Runge announced that Provost Grahn is interested in establishing a university wide interdisciplinary speaking series. It was suggested that Dr. Mauldin would be a good choice to represent CNSM.
4. The COD elected Dean Hattlestad as the Deans' representative to the Budget Advisory Committee and Dean Runge as the Deans' representative to the University Technology Committee.

5. In response to a request from Kerry Nichols in International Programs, Dean Runge asked for a list of individuals who can speak Mandarin Chinese.
6. Dean Runge reminded the council of the ribbon cutting ceremony, which will be attended by Governor Beebe, for the STEM Residential College tomorrow at 2:30 p.m. in front of Arkansas Hall.
7. Dean Runge told the chairs that a decision concerning summer school money allocation has not been made yet.
8. Dr. Frederickson reported on the CLAD Meeting that he attended immediately proceeding the CoC meeting. The meeting included the academic associate deans and a faculty member from the Honors College. Responsible conduct in research training in connection with federal grants was discussed.

Chairs Reports:

Biology:

- Dr. Hill reported that three Biology faculty, Drs. Reid Adams, Jeff Padburg and Sally Entekin, participated in grant workshops conducted by David Bauer and sponsored by SPO. Additionally, six graduate students attended the special session for students.
- Drs. Katherine Larson and Reid Adams gave invited presentations at the Arkansas Wildlife Action Plan Symposium held September 7th and 8th at Mount Magazine State Park. Dr. Larson's presentation was titled "Restoration and Expansion of a Remnant of a Faulkner County Prairie." Dr. Adams' presentation was titled "Ecology and Conservation of Alligator Gar in the Fourche LaFave River." Dr. Sally Entekin also attended the symposium and participated in workshops to outline future funding priorities in the state.
- Dr. Marc Hirrel recently attended an interpreters retreat at Lake DeGray to speak with State Parks educators about the Leopold Education Project.

Chemistry:

- Dr. Mauldin reported that Drs. Bill Taylor, Don Perry and Karen Steelman have received separate grants from the National Science Foundation. The total award amount for these three NSF grants is \$498,622.00

Computer Science:

- Dr. Hu reported that the Computer Science Club met last Thursday and elected officers.

Math:

- Dr. Garimella reported that in the past three months Dr. R.B. Lenin's paper "On Predicting Bugs Using Detrended Fluctuation Analysis," co-authored with Srini Ramaswamy (ABB Corporation) and R.B. Govindan (UAMS), has been accepted for presentation at the 2010 IEEE International Symposium on Software Reliability Engineering to be held November 1st through 4th in San Jose, CA.
- The Math Department Wednesday seminar series began on September 8th with a talk by Dr. Pat Carmack on "A Modified Kernel Approach for Correlated Data."

Physics:

- Dr. Addison announced that he will conduct a SURF Informational Meeting tomorrow during x-period in LSC 170. SURF's purpose is to encourage undergraduates to conduct in-depth research projects in their fields of study.
- Dr. Azida Walker attended the David Bauer workshop on grant writing September 3rd.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – September 27, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, September 27, 2010. All chairs were present. Leigh Ann DenHartog was a guest.

Agenda Items:

1. Leigh Ann DenHartog addressed the council about the CNSM Bear Facts Day scheduled for Friday, October 1st. Since the student panel at the September 18th Bear Facts Day was a success Ms. DenHartog suggested repeating the use of a student panel. She asked the chairs to help with developing the panel. At the present time about 80 students are expected and the number is anticipated to increase before the actual event. CNSM Bear Facts will take place in LSC 102.
2. Minutes of the 9-13-10 CoC were approved as amended.
3. The College's Tenure and Promotion guidelines were discussed. The Dean's Advisory Council has reviewed the latest draft. Discussion concerning the necessity of external letters in tenure and/or promotion applications will continue at the next CoC.

Miscellaneous Announcements and Reminders:

1. Dean Runge pointed out that Faculty Activity Schedules are due to the chairs by September 30th. The old form will be used until a new form is developed and approved. Copies of forms were distributed and discussed.
2. Dean Runge announced that there is an available position on the Honorary Degree Committee and two available positions on the Institutional Review Board. He asked the chairs to send recommended names to the Dean's Office.
3. Summer revenues are being distributed based on a growth model. Details were discussed.
4. Dean Runge reminded the chairs of the meeting with the Admissions staff regarding recruitment October 11th in MCST 115.
5. Dean Runge asked the chairs to send names of high school students attending contests and Math/Science functions on campus to Ms. Penny Hatfield in Admissions.
6. The Dean also asked the chairs to help identify students who would be willing to make recruitment phone calls.

Chairs Reports:

Biology:

- Dr. Adams reported that on September 23rd Luke Naylor from the Arkansas Game and Fish Commission presented a seminar entitled “Landscape Planning and Management for Waterfowl Habitat Needs” as part of the Biology Seminar Series.
- Dr. Sally Entekin has been awarded \$250.00 from the Faculty Development Committee to attend a symposium entitled “Women Evolving Biological Science” to be held in Seattle in October.
- Drs. Ginny and Reid Adams and 5 students (Jason Christian, Loren Stearman, Clint Johnson, Ed Kluender and Richard Walker) attended the American Fisheries Society Meeting on September 12-16 in Pittsburgh, PA. The group presented 6 oral presentations.
- Biology student, Ed Kluender, presented a poster entitled “Movements, Habitat Use and Conservation of an Imperiled River Leviathan, Alligator Gar” at the Third International Symposium on Ecology and Biodiversity in Large Rivers of Northeast Asia and North America held in Memphis September 20-24.
- Dr. Reid Adams is serving on the Search Committee for selection of Assistant Director of Cooperative Education.
- A search committee is reviewing applications for an Administrative Specialist II position in Biology.
- On Friday, October 1st, Tatum Branaman (advisor: Dr. J.D. Swanson) will be defending her MS thesis entitled “Investigation of the Floral Meristem Identity Gene LEAFY in Rosid Crops of Economic Interest.”
- Dr. Reid Adams is taking his Aquatic Ecology class on a weekend trip field trip to Sylamore Creek outside of Mt. View, Arkansas.
- On Friday, September 24th, the Biology Department had a social at Lake Beaverfork.

Chemistry:

- Dr. Mauldin reported that he had attended a meeting of the Interdisciplinary Speakers Series Committee. He is interested in getting more CNSM faculty involved.
- UCA’s Chemistry Department hosted a team from the Chemistry Department from the University of Memphis. The U of M team used our labs to test Conway’s water quality.

Computer Science:

- No report.

Math:

- Dr. Garimella reported that Dr. Danny Arrigo has accepted the invitation to join the Editorial Board of the ISRN Mathematical Analysis Journal.
- This past Friday and Saturday Drs. Linda Griffith, Ramesh Garimella, Fred Hickling and Long Le conducted workshops for Algebra I Math teachers. The workshop was part of an MSP grant obtained by Aimee Evans of the Arch Ford Foundation.

Physics:

- Dr. Addison reported that SPS Club had their fall picnic last Saturday at Toad Suck Park.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – October 13, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Wednesday, October 13, 2010. All chairs were present.

Agenda Items:

1. Minutes of the 9-27-10 were approved as amended.
4. Due time constraints the discussion of the assessment of General Education and the Majors to be led by Dr. Mauldin was tabled until next week's meeting.
5. The Dean's Advisory Council was discussed. Dr. Mauldin recommended that the 2009-2010 council, consisting of Drs. Rahul Mehta, chair, Jeff Padberg, Don Perry, Yu Sun and Danny Arrigo serve another academic year. Dr. Addison suggested that the council be taken out of the ad hoc status. It was decided the matter will be given further consideration in a future CoC.
6. The Tenure and Promotion Guidelines were discussed. It was agreed that the current draft, including the statement regarding the requirement of external letters for promotion to Professors, be forwarded to the College Tenure and Promotion Committee for consideration.
7. The composite advertisement that Dean Runge had prepared was distributed to the chairs and discussed. Suggestions will be incorporated and a new draft will be distributed for review.

Miscellaneous Announcements and Reminders:

1. Dean Runge told the council about the visit of UAMS Chancellor Dr. Daniel Rahne Monday, October 11th. Dean Runge gave a presentation describing CNSM's collaborations with UAMS, the contributions of our students to their professional programs, and plans for future collaborations.
2. Dean Runge reminded the chairs that the phones in the department offices must be attended between 8:00 a.m. and 4:30 p.m.

Chairs Reports:

Math:

- Dr. Garimella reported that IT has approved a desktop which will run Linux

Operating System and will act as a local server. This will be administered by Dr. R.B. Lenin. Math majors may remotely access mathematical software needed for their course work from this server. Also, the server will host several mathematical forums.

Chemistry:

- The Department of Chemistry has expanded its tutoring efforts by hiring six Chemistry majors to tutor students in General and Organic Chemistry on Tuesday and Thursday evenings from 5:30 p.m. – 7:30 p.m. Attendance has been excellent at 15-20 students session.

Computer Science:

- Dr. Hu reported that Professor Steven F. Jennings from the department of Information Science at UALR delivered an invited Computer Science seminar titled “What is Bioinformatics?”, October 1st.
- The Computer Science Department Facebook page has been actively used lately to enhance communication.

Biology:

- Dr. Adams reported that the Biology Department is currently interviewing applicants for the open Administrative Specialist II position.
- Drs. Naylor, Swanson, Rowley and Hill attended the INBRE conference in Fayetteville October 16th with 15 Biology students.

Physics:

- Drs. Stephen Addison, Carl Frederickson and William Slaton accompanied Physics majors, Tey French, John Lahmann, Asami Nishikawa and Skipper Thurman to the 7th Annual Meeting of the MidSouth Chapter of the Acoustical Society of America in Memphis, October 8-9. Asami Nishikawa received third place in the undergraduate poster category for her joint poster with Dr. Slaton titled *The Effect of a Helmholtz Resonators Neck Geometry on the Aero-Acoustic Excitation of Resonance*. John Lahmann presented: *A Trigger for a Helmholtz Resonator*, a joint poster with Drs. Addison and Slaton.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – October 18, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, October 18, 2010. All chairs were present.

Agenda Items:

1. Minutes of the 10-13-10 CoC were approved as amended.
2. Dr. Mauldin addressed the council about assessment of general education and assessment of majors. The chairs discussed assessing writing and critical thinking (general education objectives) in a capstone class within the major. Dr. Mauldin, as the chair of the ad hoc CNSM General Education Assessment Committee, suggested creating a rubric based on critical thinking and possibly swapping rubrics with other universities. Dr. Mauldin asked the group for a sampling of majors for assessment. Dr. Mauldin will take thoughts and suggestions from the CoC to the ad hoc committee for consideration.
3. A copy of an email from Dr. Pat Desrochers was distributed to the chairs. Dr. Desrochers has recently met with Mr. Art Lichtenstein, Torreyson Library Director, concerning hanging CNSM related posters in high traffic areas of the library. It was agreed that this would be an excellent opportunity to showcase our students' research work. Dean Runge and Associate Dean Frederickson agreed to purchase frames to be used for the display. Each department will be assigned a pillar to hang their poster and will be responsible for rotating the posters. Dean Runge would like to see a four-week turn around on getting this project accomplished. An email from Dr. Will Slaton was also discussed. At the recent INBRE conference Dr. Slaton spoke with Linda Williams from UAMS, who organizes the monthly Science Café nights in North Little Rock, about distributing our students' old research posters to interested high school science teachers in the state. The teachers would display the posters in their classrooms. Dr. Frederickson will work with Dr. Slaton to organize the effort.
4. The College Advisory Board was briefly discussed. In the near future a full CoC meeting will be dedicated to the establishment of the new board.
5. Dr. Frederickson handed out copies of Responsible Conduct of Research (RCR) Components and copies of a survey of RCR components in existing courses. The chairs were asked to distribute the surveys to faculty and return the results in two weeks.

Miscellaneous Announcements and Reminders:

1. The College of Natural Sciences and Mathematics won second place in the

Majors Fair October 7th.

2. Dean Runge reported on the CNSM SPARC meeting that took place October 11th and thanked everyone for their positive contributions.

Chairs Reports:

Biology:

- No report.

Chemistry:

- Dr. Mauldin reported that Brian Besel, a senior Chemistry major, won first place for the best oral presentation in the Chemistry division at the INBRE conference in Fayetteville on Friday, October 16th. The research, funded by the National Science Foundation, was directed by Drs. Rick Tarkka and Patrick Desrochers. The title of Brian's talk was *Scorpionate Immobilization by Facile Substitution of a Pyrazole Ring on an Existing Tris(pyrazoly)borate and Functional Nickel (II) Coordination*. The award included a \$400 cash prize, part of which Brian used to buy lunch for his fellow travelers!

Computer Science:

- Dr. Hu reported that the Computer Science Department hosted the 3rd Annual PyArkansas Conference on Saturday, October 16th. The annual one-day conference organized by the Arkansas Python Users Group attracted participants, interested in the Python Programming Language for practitioners in industry and students from multiple universities. UCA Computer Science faculty member, Dr. Bernard Chen gave a tutorial on Simple Game Design. Mr. Wayne Werner, a Computer Science undergraduate, delivered an Introduction to GUI Programming.

Math:

- Dr. Garimella reported the Dr. Danny Arrigo's paper *Compatibility for Reaction and Diffusion Equation*, and Dr. Long Le's paper *Exact Solutions of a Class of #D-ratholes in Highly Frictional Granular Solids* have been accepted for presentation at the joint national meeting of the American Mathematical Society and the Mathematical Association of America to be held in New Orleans during January 6-9, 2011.
- Dr. Clarence Burg will give a seminar *The Callisto Cluster and Computational Field Simulations* on October 20th at 2:00 p.m. in MCST 220.
- Dr. R.B. Lenin will present a workshop on October 19th during X-period about the Math Department's first Linux Standalone Server Machine. At this workshop, mainly aimed at the students, Dr. Lenin will help students log on to this server

from other computers and teach them how to run mathematical software.

Physics:

- Drs. Stephen Addison, Debra Burris, Carl Frederickson, Rahul Mehta and William Slaton attended the 2010 Arkansas INBRE Conference in Fayetteville on October 15th and 16th. They were accompanied by Physics majors John Lahmann, Brandon McVay, Asami Nishikawa, Tristan Odekirk, Nirav Patel and Jacob Teffs. Lahmann presented the poster: *A Trigger for a Helmholtz Resonator* (other authors were Drs. Addison and Slaton, Nisikawa presented the poster: *The Effect of a Helmholtz Resonators Neck Geometry on the Aero-Acoustic Excitation of Resonance* (co-author was Dr. Slaton), Patel presented the poster: *Study of Hard Tissues in Hind-limb Rats using SEM and X-ray Analysis* (others authors were Dr. Mehta, Alec M. Watson, Parimal Chowdhury, Michael Soulsby and Nawab Ali), Odekirk and McVay presented the poster *Developing Low Cost Experiments for BalloonSat* (other authors were Dr. Burris and Rene Brock), Teffs presented the paper: *Comparison of Lanthanum to Europium in Halo Stars* (co-author was Dr. Burris). Asami Nishikawa received third place in the Physics category of the undergraduate poster competition.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – October 25, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, October 25, 2010. All chairs were present except for Dr. Hu. Dr. Yu Sun represented the Computer Science Department.

Agenda Items:

1. Minutes of the 10-18-10 CoC were approved as amended.
2. CNSM's college newsletter was discussed. The special edition will be coming out this week. Adding a "Highlight" component to the monthly newsletter was suggested. This may include educational, research, service, or student mentoring recognition.
3. Dean Runge opened a discussion concerning college-level faculty awards. Four areas of consideration, teaching, service, research and student mentoring, were reviewed. Consideration of an awards process will be a charge for the Dean's Advisory Council.
4. The chairs' council addressed reviving the College seminar series. It was decided that spring 2011 will be targeted for starting the series featuring CNSM faculty members. Seminars will be in the evening and directed to a general audience. Dean Runge asked the chairs to be considering faculty members' names to submit for an invitation to present.
5. A revised Capital Projects list is due to the Dean's office by November 11th. Dean Runge requested that each item be accompanied by a justification.

Miscellaneous Announcements and Reminders:

1. Dean Runge reminded the council of the Little Rock Social hosted by the Admission office to be held November 9th at the DoubleTree Hotel.
2. Dean Runge announced that Dr. Elaine McNiece, AOEP Interim Director, has asked that everyone be made aware that AOEP will be happy to help CNSM with marketing our graduate programs.
3. Dean Runge announced that the Sightlines Report will be available soon.
4. The chairs were reminded of the meeting between CNSM Chairs and the College of Business Council of Chairs Friday, Oct. 29th in the New Business Building 103G.
5. The CNSM composite ad for our open positions is now out in The Journal of Blacks in Higher Education. The ad will appear in the November 5th issue of The

Chronicle of Higher Education and begin running online November 1.

Chairs Reports:

Biology:

- Dr. Adams reported that Dr. K.C. Larson and four students are presenting at the Natural Areas Conference at Osage Beach, Missouri this week.
- The Biology Department has submitted a hiring PAF for their open Administrative Specialist I position.
- The new autoclave, which was purchased by a grant obtained by Dean Runge, has arrived.
- Dr. Adams announced that after advertising only very recently in HigherEd Jobs, for the Biology I and Biology II Lab Coordinator position, one application has already been received, as well as two serious inquiries.

Chemistry:

- Dr. Mauldin reported that Texas A&M graduate student, Makaela Stewart, addressed the Chemistry Club on life in graduate school. Ms. Stewart is a UCA Biology graduate.
- Dr. Patrick Desrochers wrote an article on Brain Besel, the Chemistry major who won first place for best oral presentation in the Chemistry division at the INBRE Conference this month, for the Rogers, Arkansas newspaper.

Computer Science:

- No report.

Math:

- Dr. Garimella reported that the Math Department now offers a minor in Statistics.
- Dr. Donna Foss will be representing the Mathematics Department at the Pulaski Tech Majors Fair on November 2nd to recruit students.
- Dr. Clarence Burg visited Harding University, University of Arkansas Fort Smith and Hendrix College to recruit students for our graduate programs. More trips are being planned.
- Dr. Charles Watson attended the meeting of the Coordinators of Presidential Awards for Excellence in Mathematics and Science Teaching on October 17-19 in Washington DC. The event was sponsored by NSF.
- Dr. Ramesh Garimella will present a seminar *Images of the Spectrum of Bounded Linear Operator Under Analytic Function* at 2:00 p.m. on October 27 in MCST 219.

- Dr. Giovanni Petris, Associate Professor, Department of Mathematical Sciences, University of Arkansas at Fayetteville will present a talk titled *Bayesian Statistics, or How to Combine Historical Information with Data* during X-period on October 28th.

Physics:

- Dr. Addison reported on the good turnout for the EcoFest cardboard car derby that was held Sunday, October 24th. The race was in front of Conway high school. Dr. Addison is part of the organizing committee for the derby.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – November 1, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, November 1, 2010. All chairs were present.

Agenda Items:

1. Minutes from the 10-25-10 CoC were approved as amended.
2. Dean Runge distributed copies of UCA's Board Policy on Academic Integrity and supporting paperwork that was handed out at the Academic Integrity meeting he attended October 26th. Dean Runge explained that the policy became effective this fall. During the discussion that followed it was emphasized that issues concerning academic integrity can still be handled at the departmental level. The chairs were asked to discuss the policy with their faculty.
3. The College Advisory Council membership was discussed at great length. Names were suggested and categorized into one of the three groups previously identified; K-12 Partnership, Development, and Corporate/Non-profit/Governmental Relations. This discussion will continue at an upcoming CoC meeting.

Miscellaneous Announcements and Reminders:

1. Dr. Frederickson discussed the option of transitioning from Luminous for web development to Word Press.
2. Dean Runge reported on the positive feedback that he is receiving on the CNSM newsletter, specifically noting the recent Special Edition.
3. Dean Runge reported on the meeting that took place October 29th between the CNSM Council of Chairs and the COB Council of Chairs concerning entrepreneurship and student business competitions. He deemed the meeting to be a success and a strong starting point for this type of collaboration. The Dean expressed his appreciation for Dean Cantrell and her administrative staff for their enthusiastic support of this initiative.

Chairs' Reports:

Biology:

- Dr. Adams reported Dr. Zaida Gomez-Kramer attended a Microbiology Teaching

Symposium sponsored by McGraw Hill in Dubuque, Iowa.

- Dr. Sally Entrekin attended a WEBS (Women Evolving the Biological Sciences) conference in Seattle, WA. She will be coordinating a workshop at UCA for interested faculty. WEBS aims to aid the retention and transition of female tenure-track faculty.
- Faculty with research ideas that might mesh with goals of the EPSCoR P³ (Plant Powered Production) program should contact Dr. Swanson regarding funding opportunities particular for students.

Chemistry:

- Dr. Mauldin reported that the College ad hoc General Education Assessment Committee met last week. The committee, which Dr. Mauldin chairs, will meet again in about four weeks. Dr. Mauldin asked the chairs to communicate with the representatives from their departments regarding information that is needed.

Computer Science:

- Dr. Hu reported that he visited a university in Montana last week on behalf of ABET.

Math:

- Dr. Garimella reported that Dr. Long Le presented a talk titled *Exact Solutions for a Class of 2D-Ratholes in Highly Frictional Granular Solids* at the 2010 Southeastern-Atlantic Region Conference on Differential Equations held at Virginia Tech.
- Ms. Antoinette Bunting, a mathematics education major, received the 2010-2011 Charles and Lurene Jolly Scholarship in the amount of \$500.00

Physics:

- No report.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – November 8, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, November 8, 2010. All chairs were present.

Agenda Items:

1. Minutes from the 11-1-10 CoC were approved as amended.
2. The discussion regarding the establishment of a 4-year STEM Residential College was continued. The Fulbright College at the University of Arkansas-Fayetteville was used as an example of a successful program of this type.
3. Royalties for books written by faculty was discussed. The situation of faculty members requiring students to purchase their books for their particular class was examined. It was suggested that the text should be approved for use only with external validation and that the royalties go back into the department. Legal counsel will be contacted to ensure that we are in compliance with state law.
4. The Academic Programs Review schedule was discussed. Chairs were asked to review their schedules and to work with the Provost's office to coordinate these review dates with their accreditation review schedules. All programs should be working on these reviews annually as we move towards a continuous improvement model in the College and to avoid the need to ask for extensions when the review years arrive.
5. Dean Runge discussed the recently released Sightlines Report. He addressed several items in the Short-term, Mid-term and Long-term sections.
6. Dean Runge led a discussion pertaining to a third level of advancement for non-tenure-track faculty members. The CoC fully supports the establishment of a third rank for non-tenured-track faculty (suggested ranks: Lecturer I, Lecturer II, Senior Lecturer), with the advancement to Senior Lecturer being dependent on criteria that documents the meritorious service of these individuals.

Miscellaneous Announcements and Reminders:

1. Dean Runge reminded the chairs of the Little Rock Social Tuesday evening, November 9th at the DoubleTree Hotel. This is an excellent recruiting opportunity sponsored by the Admissions Office
2. Dean Runge announced that President Meadors has expressed an interest in reviving UCA at Night or a similar program that will offer opportunities for people to earn degrees through evening class offerings.

Chairs Reports:

Biology:

- Dr. Adams reported that the American Fisheries Society UCA Student Subunit hosted the 9th Annual Student Colloquium *An Early Start on Professionalism* sponsored by the Southern Division and Arkansas Chapter of AFS. The conference was held at the Ozark Folk Center and was attended by 32 students from five academic institutions. A panel-led discussion was held on the topic of women in fisheries; the panel was comprised of five regional professionals. The conference also included poster presentations, field trips and socials.
- Dr. Bhupinder Vohra, Assistant Professor of Biology, contributed to the Biology Seminar Series by giving a presentation entitled *Enteric Nervous System, The Second Brain: Neuronal Polarity and Migration* on November 2, 2010.
- The Biology Department recently updated their list of capital equipment needs. The list totals \$229, 300 to improve resources in our teaching and research laboratories.

Chemistry:

- No report.

Computer Science:

- Dr. Hu reported the Computer Science team, consisting of three students: Jason Barnes, Christopher Mitchell and Marcus Trusello, won third place in the 2010 ACM Mid-Central USA Programming Contest at the University of Arkansas on November 8, 2010.
- An information session on the Computer Science Major Field Achievement Test was conducted on November 5th for December graduates.

Math:

- Dr. Garimella reported that Drs. George Bratton and Charles Watson attended the *Arkansas Council of Teachers of Mathematics* meeting on November 3rd in Little Rock.
- Dr. Charles Watson presented a session, *Exploring Area Formulas With Note Cards and Dodpaper*, at the Arkansas Curriculum Conference on November 4th in Little Rock. Dr. Donna Foss presided over a session at the conference. Others in attendance were Dr. Linda Griffith and several graduate teaching assistants in the Math MA program.
- There were three SURF grants submitted to the Arkansas Department of Higher Education from the Math Department for the 2010—1 AY. The are by: Math major Roshan Doolabh and his mentor, Dr. R.B. Lenin, Math major Zach Parham

and his mentor, Dr. D. Arrigo, and Math major William Parker and his mentor, Dr. R.B. Lenin.

- Dr. Ramesh Garimella (PI) and Dr. Umadevi Garimella (Co-PI) submitted a proposal, *The MSIT Academy @ UCA*, to the Arkansas Science and Technology Authority.

Physics:

- Dr. Addison reported that Dr. Rahul Mehta and undergraduate students, Niravkumar Patel and Alec Watson attended the 5th BioNano Tox & Application Research Conference at the Peabody Hotel in Little Rock on November 4 & 5, 2010. The poster: Scanning Electron Microscope Study of Hard Tissues From Hind-limb Suspended (HLS) Rats, by Nirav Patel, Alec Watson, Rahul Mehta, Nawab Ali (UALR), and Parimal Chowdhury (UAMS) was presented by Nirav Patel; Nirav's poster was the first place winner selected from among 28 poster whose first author was a graduate or undergraduate student.
- On Saturday, November 6th, Dr. William Slaton and the students of the Society of Physics Students Chapter went to Hot Springs to tour a gas-fired power plant and to the Museum of Discovery.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – November 15, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, November 15, 2010. All chairs were present.

Agenda Items:

1. Minutes from the 11-8-10 were approved.
2. Dean Runge discussed the results of the NACUA 2010 Survey of NACUA chief legal officers of member institutions. At a recent meeting with Tom Courtway, it was pointed out that compliance was the major concern. Dean Runge emphasized that reporting requirements must be met, even if the work may seem daunting. Dr. Runge also pointed out that we should be paying close attention to what the legislature is doing.
3. The discussion of a 4-year STEM Residential College was continued from last week's CoC meeting. Again, the issue of not isolating students was addressed. The possibility of partnering with the College of Business in this endeavor was discussed.
4. A second meeting between CNSM and COB took place November 12th. Dr. Addison suggested that a list of potential business ideas be presented at the next CNSM/COB meeting and that we consider submitting SURF proposals to help develop science related businesses. Dean Runge asked the chairs to talk to their faculty and generate a list of 20-25 ideas (total) for potential business plan collaborations. Their lists should be sent to the Dean's office by January 20th.
5. Dean Runge distributed copies of the Name Change form for the Arkansas Center for Mathematics and Science Education (ACMSE). The new name will include both Professional Development and Education Research. Dean Runge requested feedback on the name change by noon, Wednesday, November 17th.

Miscellaneous Announcements and Reminders:

1. Dean Runge announced that a resolution concerning the proposed conservation easement for the Jewel Moore Nature Reserve will be on the Board of Trustees' agenda for the December 17th board meeting.
2. Dean Runge reminded the chairs that the capital requests are due to the Provost from all Deans by December 1st.
3. Dr. Frederickson reported that Brent Passmore will be training people on Word Press. The complete conversion from Luminous for Web Page management will take place over the next two years.

Chairs Reports:

Biology:

- Dr. Adams reported that Dr. Rick Noyes was awarded \$2,500 from the Arkansas Natural Heritage Commission to upgrade the UCA Herbarium software.
- On November 4th, Dr. Barbara Clancy presented a seminar entitled *The Joy of Egg Juggling: Teaching and Research at an Undergraduate Institution* at the 10th Annual Career Day for Biomedical Sciences at UAMS.
- On November 8th, Dr. Ben Rowley was the facilitator of the Talk About Teaching Series organized by the UCA Instructional Development Center.
- This week, the Biology Department welcomes Ms. Jillian Johnson as a new staff member in the Biology office.

Chemistry:

- Dr. Mauldin reported that after attending a training session in Chicago on November 10-12, he is now a member of the Consultant-Evaluator Corps for North Central's Higher Learning Commission (HLC). By way of peer review process, the HLC provides accreditation for higher learning institutions in the nineteen states that it serves. Dr. Mauldin will participate in external reviews of other colleges and universities once or twice per year.

Computer Science:

- Dr. Hu reported that the Computer Science faculty discussed curriculum restructuring to include advisory tracks on informatics, media and net-centric computing, and systems and theory.

Math:

- Dr. Garimella reported that Dr. David Peterson, retired professor of Mathematics, received the Special Recognition Award from Governor Mike Beebe at the Governor's Arts Awards luncheon and ceremony on November 10th at the Peabody in Little Rock
- Drs. Linda and Jean McGehee gave a department seminar titled *Action-Consequence Documents and the TI-Nspire* on November 10th. The talk was based on the material developed by Drs. Griffith and McGhee for the Texas Instruments.

Physics:

- Dr. Addison reported that the Physics Department welcomes Dr. Azida Walker back after the birth of her daughter.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – December 6, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, December 6, 2010. All chairs were present.

Agenda Items:

1. Minutes from the 11-15-10 CoC were approved as amended.
2. Changing the name of the Arkansas Center for Math and Science Education to the UCA Institute for STEM Professional Development and Research. Documents outlining the justification were reviewed. An amended document will be sent by email to the chairs for a vote.
3. A date for CNSM's mid-year retreat was discussed and Monday, January 10th was set. The all-day meeting will be in MCST 115. An agenda will be sent out at a later date.
4. Dean Runge opened a discussion about spring 2011 commencement. Several subjects were considered pertaining to the individual college ceremonies and events including the announcement of names of the graduating students, position of Department Chairs in the ceremony (lead lines or on stage) and the idea of having student speakers were discussed. The COD has asked the Provost's office for a list for what the university will provide for the College events. There is much to be decided and a great deal of effort on the college's part will be necessary to make the event successful. This will be a continuing topic for the spring CoC meetings.

Miscellaneous Announcements and Reminders:

1. Dr. Frederickson announced that Word Press will not be available until mid-January.
2. Dr. Frederickson also announced that the STEM Residential College Advisory Council has met to review applications for fall 2011.
3. Dean Runge attended a STEM Coalition Board meeting this morning in Little Rock. He was elected as vice-chair of the board for the coming year.
4. Dean Runge announced that CNSM's capital requests list has been submitted and that a research field station was added to the list.
5. Dean Runge reported that both President Meadors and Provost Grahn are requesting that the colleges keep recruiting new students at the top of their list of goals to accomplish.

6. Housing assignments for Bear Hall are not yet decided, but it may be possible for a portion of the new facility to be used as a residential college. The topic of an extended Council of Deans meeting December 8th will be the residential colleges.
7. Travel Requests going to the Provost's office no longer require justification paperwork. Decisions on the expenditure of travel funds are made at the departmental and college levels.
8. Provost Grahn and the COD want to improve University support for young faculty members. One consideration is the establishment of a daycare facility on campus. This could be accomplished by expanding the UCA Child Study Center, but this is only at the discussion stage right now.
9. The faculty and staff are being asked to remind their students and advisees about summer school and night class offerings.
10. Provost Grahn is requesting that if any departments that have written diversity plans to please submit a copy to his office.

Chairs Reports:

Biology:

- Dr. Adams reported that on November 3-6 Dr. Bland and student Stephanie Jimmerson attended the National Association of Biology Teachers Conference in Minneapolis, MN. They presented two poster presentations entitled "*Reliability of the MATE: the Measure of Acceptance of the Theory of Evolution*" and "*Does Evolution Instruction Elicit an Emotional Response in Students.*"
- Dr. Sally Entrekin has been awarded \$5,000 from the University Research Council for her proposal entitled "*Microbial Production Fuels Aquatic Food Webs.*"
- The final seminar of the Fall 2010 Biology Seminar Series (organized by Dr. Jeff Padburg and the seminar committee) was presented by Dr. Michelle Evans-White from the University of Arkansas on December 2nd. The seminar was entitled "*Anthropogenic Factors Altering Community Structure and Ecosystem Function in Ozark Streams.*"
- Dr. Adams reported that the search to find a Principles of Biology I and II course coordinator is progressing. The committee is working to narrow the list of applicants who will be asked to submit additional information.
- The Department of Biology Christmas party will be hosted by Dr. Vohra on Saturday, December 11th at 6:00 p.m.

Chemistry:

- Dr. Mauldin reported that Drs. Patrick Desrochers and Rick Tarkka recently received notice from the journal, *Inorganic Chemistry*, of acceptance of their manuscript titled "*Immobilized Boron-Centered Heteroscorpionates: Heterocycle Metatheses and Coordination Chemistry.*" Undergraduate students Brian Besel,

Adam Corken, Jared Evanov, Andrea Hamilton and David Nutt were co-authors.

- The search committee met on December 3rd for the faculty position in Inorganic Chemistry and selected the top 5 from the 33 total candidate pool.

Computer Science:

- Dr. Hu reported that 2 Computer Science students, Brendan Lee and Muhyeddin Ercan, participated in the US Imagine Cup Software Design Competition. The team has been selected as a winner in the semi-final round! The team will be awarded a trip to Seattle, WA to visit the Microsoft campus, and to compete for the top spot of the 2011 worldwide finals in New York City. Dr. Sinan Kockara is the mentor of the team.
- Drs. Yu Sun and Vamsi Paruchuri are participating in the IEEE 2010 GlobeCom Conference. Dr. Paruchuri's paper is titled: "*PAAVE: Protocol for Anonymous Authentication in Vehicular Networks Using Smart Cards*" and is co-authored by Arjan Duresi at Purdue University. Dr Sun's paper "*Incremental Rate Control for H.264 Scalable Video Coding.*" Dr. Sun's paper was co-authored by Yang Jin, Yimin Zhou, Shixin Sun from the University of Electronic Science and Engineering Technology of China.
- A new student scholarship is being awarded by Data-Tronics.

Math:

- Dr. Garimella reported that on December 3rd and 4th approximately 25 middle and high school teachers from across the state participated in the Algebra II workshops held in the Department of Mathematics at UCA. The lead instructors for the workshops were Drs. Ramesh Garimella and Linda Griffith. The activities for the workshops included rational functions and the least square regression line. Drs. Fred Hickling and Long Le also attended the workshops to lend their support to the algebra teachers. The workshops were part of an MSP grant awarded by the Arkansas Department of Education. The PI of the grant is Mrs. Aimee Evans of the Arch Ford Foundation.
- On December 4th approximately 12 mathematics teachers in central Arkansas participated in a day long workshop held in the ACMSE. The lead instructors for the workshop were Dr. Umadevi Garimella, Dr. Jean McGehee, Dr. Carolyn Pinchback and the ACMSE Math Specialist, Mrs. Belinda Robertson. The activities for the workshop included Temperature measurements using Vernier probes and go-motion. The workshops were part of a two-year MSP grant known as *K-4 Smarts*, awarded by the Arkansas Department of Education. The PI of the grant is Dr. Umadevi Garimella, Director of ACMSE.

Physics:

- Dr. Addison attended the Arkansas Department of Higher Education Selection SURF Committee meeting held November 19th. Dr. Addison distributed handouts

of statistics of the Student Undergraduate Research Fellowship (SURF) published by ADHE. In an effort to increase the number of SURF proposal. submissions it was suggested that CNSM align the format of our internal Student Research proposals with that of the SURF proposals. We will also consider a requirement for eligible students who apply for student research funds from CNSM to also submit a SURF proposal

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – December 13, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, December 13, 2010. All chairs were present except for Dr. Adams. Dr. Hill represented the Biology Department. Mr. Art Lichenstein, Torreyson Library Director, was a guest.

Agenda Items:

1. Mr. Art Lichenstein, Director of the Torreyson Library addressed the council concerning budget issues and spending allocations for funds generated by the new Library Fee.
2. Minutes from the 12-6-10 CoC were approved as amended.
3. The allocation for graduate assistants in the STEM Residential College was discussed. Dean Runge noted that the half-time GA from Computer Science currently in the position is doing a great job. Dean Runge asked Drs. Adams, Garimella and Hu to coordinate the effort with Dr. Frederickson and attempt to identify a GA for the STEM Residential College (at least half time) for each semester.
4. Peer Evaluations were discussed. Although the Peer Evaluations are not mandated, Dean Runge is encouraging the chairs to investigate the development of departmental peer evaluations. Dean Runge concurs with President Meadors that peer evaluations can be very useful, as long as they are used as a tool for helping faculty members become better teachers. The use of rating rubrics is discouraged.
5. SGA's "Big Project" was discussed. SGA is planning on awarding grants with budgets up to \$60,000. The proposals should be programs that benefit students. Dean Runge suggested that a faculty/student team from our College might think about submitting a proposal. The deadline for application is January 14, 2011.

Miscellaneous Announcements and Reminders:

1. Dr. Frederickson reported on the Sponsored Programs meeting of College Level Associate / Assistant Deans (CLAD) that he attended this morning and reminded the chairs of the webinar "Hybrid Courses: How to Effectively Combine Traditional & Online Teaching" to be presented Wednesday, December 15th in LSC 125.
2. Dean Runge announced that the December 8th Council of Deans meeting

focused on residential colleges. A group of stakeholders in the residential college program was in attendance. CNSM and the College of Business floated the idea of a sophomore through senior year program tentatively titled the EPIC Residential College (Entrepreneurship, Public Scholarship, Innovation and Community Engagement). The proposal received a warm reception and the idea will now be further developed.

Chairs Reports:

Biology:

- The Biology Tenure and Promotion Committee is currently reviewing/revising existing guidelines for promotion for Assistant and Associate professors. Departmental guidelines are also being drafted for promotion of faculty holding the rank of Lecturer I.
- The Biology Department is developing a faculty teaching peer-review program. The Department T&P Committee is drafting procedural guidelines for further consideration by the Department.

Chemistry:

- Dr. Mauldin reported that the search for the Inorganic position is going well. Phone interviews are being conducted this week.

Computer Science:

- Dr. Hu reported that the Computer Science Department met for their annual assessment workshop last week.
- The Computer Science Department Advisory Board met December 10th. The meeting was very productive.

Math:

- Dr. Garimella reported that the research poster of Math majors, Derek Anderson and Haley Millen, has been accepted for the MAA Undergraduate Poster Session scheduled for Saturday, January 8th at the Joint Mathematics Meetings in New Orleans, LA during January 6-9, 2011. The poster is titled "Fractals and Frieze Groups." The project is mentored by Dr. Fred Hickling. Both students received funding from MAA to present the poster.
- Math major Zack Pharam and his mentor, Dr. Danny Arrigo, received a SURF research grant of \$4,000 for summer 2011.

Physics:

- Dr. Addison, chair of the search committee for the Biology Chair position, reported on the progress of the search.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS

Minutes of Chairs Council Meeting – December 20, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, December 20, 2010. All chairs were present.

Agenda Items:

1. Minutes from the December 13, 2010 CoC were approved as amended.
2. Examples of diversity policies were handed out and discussed. Members of the CoC will be working on a draft of the CNSM policy at the mid-year retreat.
3. Dean Runge reported on the campus discussion of the status of the University College. Dr. Garimella is a member of the Task Force reviewing different options for the future of the University College; he provided an update to the group.
4. Witsell-Evans-Rasco has been hired to conduct the master planning for UCA. Stakeholders, including the Council of Deans, met last Tuesday with the consultant. CNSM will need to refine our facilities request early in the spring semester.
5. The awarding of associate degrees at UCA was discussed.
6. The agenda for CNSM's mid-year retreat was discussed. The retreat will take place January 10th in the corporate conference room in MCST.

Miscellaneous Announcements and Reminders:

1. Dean Runge announced that the proposal to designate 17.5 acres for the Jewell Moore Nature Reserve was presented to the Board of Trustees at the December 17th meeting. The proposal as presented was not passed; however, a five-year moratorium on development in this area was approved.
2. A small number of laptop computers will be distributed by IT in the spring. Dr. Glenn will be distributing a list of "old" computers that will receive first priority for replacement.
3. The Global Education Program was discussed. Dr. Hu gave an update on the involvement of the Department of Computer Science in offering classes to these students from China and Taiwan. Approximately 100 students will be at UCA for the spring semester through this program.
4. Dean Runge announced that Mr. Ernie Ness will present a Counseling Professional Development Training Session for the college. A date and time will

be announced early in the spring semester.

5. Dr. Frederickson announced that the STEM Residential College Advisory Board met this morning to review applications for fall 2011. Forty-two applicants were accepted out of sixty applications. The average ACT score of the accepted applicants was 27.

Chairs Reports:

Biology:

- Dr. Adams reported that he, Dr. Rowley and Ms. Horton attended the webinar on blended classes presented December 15th. Dr. Adams commented that he found the webinar very informative and useful. He is interested in educating the Biology faculty on BlackBoard use.

Chemistry:

- Dr. Mauldin reported that the department search committee met today and selected three candidates to invite to interview for the open Inorganic faculty position.

Computer Science:

- Dr. Hu reported that as a member of PFT (Preparing For Tomorrow) Advisory Committee of the Arkansas Department of Career Education, he participated in the statewide curriculum development of a new program of study for high school students December 14th & 15th in Little Rock.

Math:

- Dr. Garimella reported that one undergraduate student in Mathematics and two graduate students in the MA program received degrees at the fall commencement December 18th.
- Dr. Garimella also reported that the search for the Math Education position is going well.

Physics:

- Dr. Addison reported that a paper by Dr. Debra Burris and recent graduate, Jeremy Lusk, will be published in the Publication of the Astronomical Society of the Pacific. The paper is titled *Error Analysis of Light-n-Capture Element Abundances in the Metal-Poor Halo Star HD74462*.