

NEW MEXICO CONSOLIDATED BOARD OF MINING AND  
TECHNOLOGY

FACILY SENA E MEE NG

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or n 4:00 p.m.

Minutes

Dr Borchers called the meeting to order to approve the agenda.

Dr Aiken moved for approval of the minutes of the October meeting. N

The three Department of Education grants should be allowing the institution for need to be prioritized the goals of degree attainment. The state should place the focus of the funding for need with the need for quality education.

Dr. Lopez addressed the economic outlook saying he believes there is more funds budgeted going into the next fiscal year. Gas prices are in the range to support the increase of budgeted monies. Other economic indicators are edging positive.

Addressing questions from the Senate, Dr. Lopez explained the need for funding to recognize institutions with Graduate degree programs. He said one of the problems with the old formula is that only a few schools are benefiting through disproportionate funding. The need for funding should include a formula for distance students.

It is a good idea to engage our local representatives. State representatives in a vote according to political pressure more than public pressure. The committee is made up of a variety of interests. The House side has so far supported for years the school formula. It is not their role to let the non-house side and Dr. Lopez into initiating our local representatives to address the Senate and Administration.

The formula is being set to address the number of degrees attained. Any other criteria such as strengthening graduates, quality of program or general productivity is difficult to define. The conclusion depends on whether more remedial courses or a code change. The commission should find the factor that most affects student success rates. This is not a

and ion



## 6. New Business

Curriculum Changes Council of Chairs

Math department has been piloting a course for the engineering departments. Dr. Hossain proposed to have the course registered offering under MA 410. There is no discussion and the motion is approved.

Math 410 - Engineering Mathematics - 3 credits

Prerequisite: Math 101 and corequisite: Math 102

### Course Description

SHORT DESCRIPTION

Selected topics from linear algebra are discussed including vectors, matrices

Prerequisites EE -EE or non engineering

Corequisites EE and L corequisites of either

Not offered spring semester

Continuation of EE Laplace transform techniques transient response steady state  
sinusoidal response and frequency response of RLC circuits

EE L Digital Electronics credit hours 3 hours

Prerequisites EE and L

Corequisites CE or E -EE and L corequisites of either

Not offered fall semester

Fundamentals of combination digital systems analysis and design including Boolean  
algebra logic gates and truth tables Sequential

*Prerequisites B OL                      L-concurrent enrollment                      R highly recommended*

An overview of the storage transmission and expression of genetic information. The emphasis is Mendelian analysis in model organisms and fluorescent analysis of human DNA.

**B OL**    R Genetics Recitation    credit hours

*Corequisite B O*

Emphasizes on problem solving skills in genetics. Highly recommended corequisite for the Genetics lecture course B OL

**Curriculum Changes – Graduate Council September 2011**

**Civil & Environmental Engineering Program Changes** Dr. Gerity proposed for the following

Students must take MENG 4000 each semester offered if the student is in





**Prerequisites: MENG 545 or ME 549 and MATH 335; or consent of instructor**  
**ME 550, Advanced Explosives Engineering, 3 cr, 3 cl hrs**  
*Old Prerequisites: EM 545 or MA 545 or consent of instructor*  
**Prerequisites: MENG 549 or ME 549; or consent of instructor**  
**ME 553, Computer Modeling of Detonations, 3 cr, 3 cl hrs**  
*Old Prerequisites: MENG 549 or consent of instructor*  
**Prerequisites: MENG 549 or ME 549; or consent of instructor.**  
**MENG or ME 517 is recommended.**

**Master of Science in Hydrology** See in § Dr G A en oved for the fo o ing ch nges he  
 disc ssion s for c rific tion he otion s ppro ved

C t n g ch nges re ted to HYD dditions re nder ined \_

**Master of Science in Hydrology**

The M ster of Science degree in Hydrology req uires co p etion of thesis  
 eording to the gener l req uire ents of the Gr d te Progr l  
 he st dent s co rse of st dy st e ppro ved y the d isory co ittee nd  
 st f fi the gener l req uire ent for the ster s degree nd st inc de \_

ER H HYD

Si credits fro the fo o ing \_

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HYD HYD HYD HYD t e st si credit ho rs

HYD t o credit ho rs nd HYD fo r credit ho rs

ER H or eq i ent

MA H or or eq i ent

At e st three ddition l gr d te e e co rse credits ppro ved y the d isory  
 co ittee Note th t credits e nnd in HYD nd y not e pp ied to rd  
 the credits req uired for the M S degree

**Science with Dissertation in Hydrology**

St dents of e ception l i ity s de onstr ted in pre io s co rses or in l ster s  
 degree progr l y p rs e progr l e dling to the doctor l degree he  
 prospecti e doctor l c ndid te in E rth nd En iron ent l Science ith  
 Speci iz tion in Hydrology sho d de e op good e gro nd in physics  
 the tics che istry nd geo gy in ddition to chie ving high e e of  
 co p etence in the fie d of speci iz tion ith ppro l of the d isory co ittee  
 the st dent sho d se ect progr l inc ding l ini of nine credits in gr d te  
 hydro gy eyond the M S degree three credits of HYD si credits of HYD

p s ddition l co rses in re ted fie ds So e ppro pri te co rses re gi en  
 nder the M ster of Science degree req uire ents Rese rch fie ds ppro pri te for  
 the doctor l c ndid te inc de region l hydro gy gro nd ter rech rge l ose  
 zone hydro gy stoch stic s s rf ce hydro gy hydrogeoche istry isotope  
 hydro gy hydroc i to gy po t nt tr nsport eq ifer restor tion ti ph se  
 fo of i isci e f ids deter inistic nd stoch stic n eric l q ifer  
 si tion finite difference nd finite e e ent n eric l methods nd fie d  
 instr ent tion nterdiscip in ry progr l s in the E rth science fie ds re  
 enco r ged

**HYD 593, Seminar, 1 cr, 1 cl hr**

Prereq isite Gr d te st nding

Offered f l nd spring se esters

See in representation of faculty students and outside speakers in the other  
Department and hydrology specific sessions Graded on Satisfactory  
performance consists of regular attendance and approval

**BIOL 542, Advanced Microbiology, 3 cr, 3 cl hrs**

Prereq s e B OL or consen of ns r c or A s dy of c rren op cs n  
s r c re f nc on gene cs nd oche s ry of croorg n s s h e ph s s  
on recen sc en f c er re Med c nd en ron en op cs e co ered

**Physics** change to minor terminology for course requirements Dr S Sessions offered for the  
following changes this minor is for both the MS and PhD degree here is no  
discussion and the option is approved

**Grade Minor in Physics**

A student seeking grade minor in physics must complete the following hours  
from the following PHYS PHYS PHYS PHYS PHYS  
PHYS or PHYS here ining physics courses student graded the  
degree or degree and approved by the minor advisor A total of credit  
hours in physics in the hours the degree are required for the minor  
the student degree and hours in the degree for the  
doctor degree minor

At the time the change is received the options to do so

Respectfully submitted  
Christine Freet