

1. **The Holder of the Chair, Elizabeth Lowe, called the meeting to order at 3:46 p.m.**

2. **Approval of Agenda:**

a. MOTION: Duly made and seconded:

"To adopt the agenda."

b. MOTION: Duly made (Bernstein), seconded, and passed:

"To amend the agenda, to add under New Business, nominations for student representatives on the Nominating Committee."

The agenda was adopted, as amended.

3. **Approval of Minutes:**

MOTION: Duly made, seconded, and passed:

"To adopt the minutes of the Academic Senate meeting of September 15, 2005."

4. **Announcements, Administrative Reports, and Memorials:**

a. Senator Frisz announced that on Thursday, October 27 at 12:15 p.m. outside of Frese Hall, there will be a "Walk With Me" program to raise awareness of domestic violence. A press conference will be held in the Student Union lobby at 11:30 p.m.

b. Senator Lord announced the Undergraduate Curriculum Committee is now ready to receive proposals from faculty for synthesis courses. The proposal form is on the UCC Web site, which can be reached by going through the Academic Senate Web site.

c. Senator Bernstein announced that on Wednesday, October 26 at 12:15 p.m. in the Student Union Corner Bistro, the Student Association is hosting a panel discussion on domestic violence and the issues that children, teenagers, college students and adults face when dealing with domestic violence.

5. **Committee Reports:**

a. Nominating Committee (Malow-Iroff):

Corrections to the report:

1. Alexis Abreu is not currently a Queens College student; her name should be withdrawn.
2. Tanja Steiner is nominated for the Arts & Humanities seat on the Committee on Undergraduate Admissions & Re-entry Standards.
3. Naisa Thaker is nominated for the Math & Natural Sciences seat on the Campus Environment Committee.

ACADEMIC SENATE MINUTES, October 20, 2005

5.a. continued

- i. The following students were nominated to fill an OPEN seat on the **Committee on Undergraduate Admissions & Re-entry Standards**:

Tanja Steiner Arts & Humanities (to 2005)

Seeing no further nominations, the Chair asked the Secretary "to cast one ballot for the nominee."

- ii. The following students were nominated to fill an OPEN seat on the **Campus Environment Committee**:

Richard Anthony Alicea Social Sciences. (to 2005)

Naisa Thaker Math & Natural Sci.. (to 2005)

Seeing no further nominations, the Chair asked the Secretary "to cast one ballot for the nominees."

- iii. The following students were nominated to fill an OPEN seat on the **Elections Committee**:

Jesenia D. Blas Education (to 2005)

Seeing no further nominations, the Chair asked the Secretary "to cast one ballot for the nominee."

- iv. The following students were nominated to fill an OPEN seat on the **Committee on Teaching Excellence and Evaluation**:

Mariya Fabisevich . (to 2005)

Seeing no further nominations, the Chair asked the Secretary "to cast one ballot for the nominee."

- v. The following students were nominated to fill an OPEN seats on the **Undergraduate Curriculum Committee**:

Nazia Tabassum Social Sciences (to 2006)

Saad Elfathi At Large (to 2005)

Adina Goldstein Math & Natural Sci. (to 2006)

Seeing no further nominations, the Chair asked the Secretary "to cast one ballot for the nominees."

- vi. The following students were nominated to fill an OPEN seat on the **Special Committee on Governance**:

Ilya Tolmasov Social Sciences (to 2005)

Seeing no further nominations, the Chair asked the Secretary "to cast one ballot for the nominee."

- b. **Special Committee on Technology and Library** (Angela Love):

- i. The following faculty have agreed to serve for another two-year term on the Technology Fee Task Force to August 31, 2007:

Michelle Fabroni – Education

Thomas Plummer – Social Sciences

5.b. continued

ACADEMIC SENATE MINUTES, October 20, 2005

ii. MOTION: Duly made:

“To elect the following students for the seats on the Technology Fee Task Force to August 31, 2007:

Jonathan Marc Bearak – Math & Natural Sciences
Joseph Bernstein – Social Sciences
Sarah Lippman – Arts & Humanities
Adina Goldstein – Math & Natural Sciences

iii. MOTION: Duly made (Bernstein), seconded, and passed:

“To amend the report, to change the last sentence of the first paragraph to say all four students are recommended as regular members.”

Seeing no further nominations, the Chair asked the Secretary to cast one ballot for the nominees.

c. **Graduate Curriculum Committee** (Schwarz):

i. MOTION: Duly made:

“To adopt the recommendations of the Graduate Curriculum Committee dated September 26, 2005.”

Amendment (Rothenberg): In item 7 Physics, in #3 change the word ‘may’ to ‘must’. The amendment was accepted.

Motion i was approved as amended.

1. Physics (G05-15)

Change in course hours, course credits, to:

641. Statistical Physics. **4 hr.; 4 cr.**

Prereq.: Undergraduate courses in advanced mechanics and advanced thermodynamics. Maxwellian distribution of velocities, molecular motion, and temperature; elementary theory of the transport of momentum (viscosity), energy (heat), and matter (diffusion). Entropy and probability; Maxwell- Boltzmann statistics, equipartition of energy and classical theory of heat capacity of gases and solids. Bose-Einstein and Fermi-Dirac statistics; quantum theory of paramagnetism.

2. Physics (G05-16)

NEW Course

637. Modern Optics. 4 hr.,4 cr. Prereq.: Physics 260, or an equivalent course in modern physics; coreq.: Physics 625.

Electromagnetic wave propagation in vacuum and in linear media including Fresnel's equations for reflection and transmission at interfaces, absorption and dispersion, guided waves in waveguides, transmission lines and optical fibers, geometric optics and imaging, matrix methods for complex

ACADEMIC SENATE MINUTES, October 20, 2005

optical systems, interference, diffraction, coherence, principles of laser operation, Gaussian beams, nonlinear optics, quantum theory of emission and absorption of radiation.

Projected Enrollment: 5 Projected Frequency: yearly

New resources/personnel required: None.

course requirements This is in our new list of required courses for MA students.

3. Physics (G05-17)

Change in course title, hours, credits, description, to:

635. **Condensed Matter Physics, 4 hr, 4 cr.**

Prereq.: Physics 260, or an equivalent course in modern physics; coreq.: Physics 625.

An introduction to molecular and solid state phenomena: crystal structure, lattice dynamics, free electron theory of metals, band model of metals, insulators, and semiconductors, Amorphous solids, polymers, liquid crystals, and phase transition phenomena.

4. Aaron Copland School of Music (G05-18)

Change in Course number, hours, credits, to:

767.2, 767.3. Topical Course in Performance. 767.2, 2 hr.; 2 cr.; 767.3, 3 hr.; 3 cr. Prereq.: Permission of the instructor. This course will be offered on an occasional basis. Topics will vary, but may include conducting for composers, Baroque continuo realization, etc. May be repeated for credit if the topic changes.

5. Physics (G05-19)

Change in course hours, credits, prereq., to:

625. Introduction to Quantum Mechanics. **4 hr.; 4 cr.**

Prereq.: Physics 260, or an equivalent course in modern physics, and an approved mathematics background.

Planck, Einstein, Compton, and the light quantum. The Bohr atom, Bohr-Sommerfeld quantum conditions, and interpretations by de Broglie waves. Solutions of problems, including the free particle, particle in box, the harmonic oscillator, and the hydrogen atom. Waves and the uncertainty principle. The Schrödinger equation and the solution of the above problems. Transmission through a potential barrier. Spin, identity of particles, exclusion principle, statistics, exchange phenomena.

6. Physics (G05-20)

Change in course title, hours, credits, description, to:

636. **Nuclear and Elementary Particle Physics 4 hr.; 4 cr.**

Prereq.: Physics 260, or an equivalent course in modern physics; coreq.: Physics 625.

The experimental facts and elements of the quantum theories pertaining to: natural and artificial radioactivity; interaction of charged particles and gamma rays with matter; nuclear structure; emission

ACADEMIC SENATE MINUTES, October 20, 2005

of alpha, beta, and gamma rays; nuclear reactions and models; the weak and strong nuclear forces, muons, pions, strange particles, quarks.

7. Physics (G05-21)

Change in requirements for degree/certificate:

HEGIS number 1902

To:

These requirements are in addition to the general requirements for the Master of Arts degree.

1. All candidates must complete the following courses or their equivalents as determined by the Graduate Physics Committee:

<u>625. Introduction to Quantum Mechanics</u>	<u>4 credits</u>
<u>641. Statistical Physics</u>	<u>4 credits</u>
<u>635. Condensed Matter Physics,</u>	<u>4 credits</u>
<u>637. Modern Optics,</u>	<u>4 credits</u>

2. A minimum grade of B is required in any course numbered 600 to 699.

3. Graduate courses in mathematics and chemistry must be approved by the Graduate Physics Committee.

4. All candidates must take and pass a written comprehensive examination.

The Master of Arts is the first 30 credits of doctoral work in physics. The CUNY doctoral program is described in the Bulletin of the Graduate School.

ii. MOTION: Duly made:

“To adopt the Letter of Intent from the Elementary and Early Childhood Education Department.”

Correction (Bernstein): On page 3, 2.a. should read “...completing or working toward...”

Motion ii. was adopted, as amended.

d. **Undergraduate Curriculum Committee** (Lord):

i. MOTION: Duly made and passed:

“To adopt the recommendations of the Undergraduate Curriculum Committee dated 9/15/05.”

1. Mathematics (05-29)

a. Change to Major (The Applied Mathematics Option), to read:

Group I: Mathematics 208, 213W, 220, 223, 224, 232, 242, 245, 247, 248, 249, 310, 328, 333, 503, 505, 509, 613, 614, 619, 621, 623, 624, 625, 628, 633, 634, 635, 636. Except for students in the Operations Research track, students cannot use all three of the courses 247, 248, 249 in fulfilling the Group I requirement.

5.d.i. continued

ACADEMIC SENATE MINUTES, October 20, 2005

- b. Change to Major (Secondary Education Option), to read:

List Y: Mathematics 202, 213W, 223, 232, 242, 245, 247, 248, 320 and all 500- and 600-level courses not already used to satisfy the above requirements. Mathematics 202 is usually required for entry into master's degree programs in mathematics.

2. Earth and Environmental Sciences (05-32)

- a. Change to the major in Environmental Sciences: Geology, to read:

Geology

Geology 100 or 101, 270, 347, 349, and any two courses chosen from 201, 202, 208, 213, 214, 216, 239, 261, & 339.; etc.

3. Psychology (05-33)

- a. Change in prerequisite, to read:

Psychology 221. Psychopathology: 3 hr.; 3 cr. Prereq.: Psychology 101

Psychology 243. Introduction to Behavioral Neuroscience: 3 hr.; 3 cr. Prereq.: Psychology 101 or Biology 108 or equivalent

Psychology 341. Introduction to Psychoanalytic Theory: 3 hr.;3 cr. Prereq.: Psychology 221 and 232

Psychology 347 Introduction to Clinical Psychology: 3 hr.;3 cr. Prereq.: Psychology 221.

Psychology 348. (History and Systems of Psychology): 3 hr.; 3 cr. Prereq.: Psychology 101

Psychology 353. (Psychology of Sex Roles) 3 hr.;3 cr. Prereq.: one course from developmental sequence (Psychology 214,215,216,217) and either Psychology 221 or 232

Psychology 354 Sexual Behavior 3 hr.;3 cr. Prereq.: one course from developmental sequence (Psychology 214,215,216,217) and either Psychology 221 or 232

Psychology 360 Contemporary Psychotherapies

Prereq: Psychology 221 and any of the following: Psychology 232, 317, 341,or 347.

- b. Change in hours, to read:

Psychology 226 (Psychology in Business and Industry): 3 hrs.;3 cr.

Psychology 245 (Consumer Psychology): 3 hrs.; 3 cr

Psychology 246 (Organizational Psychology): 3 hrs.; 3 cr

ACADEMIC SENATE MINUTES, October 20, 2005

5.d.i. continued

c. New Course

Psychology 358. Autism

3hrs, 3 credits. Prerequisites: Psychology 101, 214 and either 221 or 251.

This is an advanced course discussing autism and related disorders. The course is in three parts: (1) nature (2) educational programming and 3) present and future contexts. In the first part, we will discuss the characteristics of autism and related disorders, a history of the concept, medical aspects and etiology, and theories. In the second part, we will discuss promoting behavioral competence, communication, social skills, and education for teaching children with autism. In the last part, we will discuss the role of parents, a continuum of services and putting it all together.

d. New course.

Psychology 357. Mental Retardation

3 hrs.;3 credits. Prerequisites: Psychology 101, 214, and either 221 or 251

Mental retardation is described in relation to its etiology. Emphasis is placed on environmental procedures designed to help integrate the person with mental retardation into the mainstream of society. The impact of the person with mental retardation on the family, as well as the roles that family members can play in helping a family member with mental retardation achieve his or her potential are discussed.

e. Change to the Major:

There is currently a limit of 8 credits of the following courses: Psychology 325, 326, 327, 391, and 392 with the added restriction that no more than 5 credits be taken with the same instructor. The department requests that this added restriction be changed to "no more than 6 credits be taken with the same instructor".

f. Course Withdrawn.

i. Psychology 359. Developmental Disabilities.

g. Courses to be put on reserve:

i. Psychology. 316 (Advanced Experimental Psychology: Physiological)

ii. Psychology 318 (Advanced Experimental Psychology: Developmental).

iii. Psychology 350 (Behavioral Analysis of Childhood Development)

4. Academic Skills (05-35)

a. New course.

CESL 029. English Pronunciation.

3 hr.; 1 cr. Permission of CESL director required.

5.d.i. continued

ACADEMIC SENATE MINUTES, October 20, 2005

For students whose native language is other than English, who need to improve their ability to speak clearly and intelligibly in English. The course emphasizes English sound, stress, and intonation patterns for the purpose of achieving improved pronunciation. Students will learn to discriminate and transcribe English sounds and sentences using the International Phonetic Alphabet.

5. Family, Nutrition, and Exercise Sciences (05-37)

Change to a Major: BA in Family and Consumer Sciences (058)

Minimum grade requirements

To Read:

In addition to these courses, students must complete one of the following specializations and receive a grade of C or better in all courses required for Family and Consumer Sciences specializations, both inside and out of the department including all required pre-requisite courses before advancing to the next level courses. A student may not repeat a major course more than once beyond the initial enrollment in the course.

6. Mathematics (04-38)

Note: This course was approved by the UCC at its January 20, 2005 meeting as part of proposal 04-38. This particular item was inadvertently left off the minutes.

a. New Course:

Mathematics 213W. Discovering Mathematics with Mathematica.

4hr; 4cr; Prereq.: One semester of calculus.

Students will learn to program in Mathematica, a high level programming language, and use this capability to explore a number of interesting problems taken from number theory, combinatorics, probability, game theory and calculus. They will learn how to conduct research in mathematics, using Mathematica, and also how to write up their research effort in a final project. No prior experience in programming is necessary. (Students may not receive credit for both this course and Math 503).

ii. MOTION: Duly made (Fields), seconded, and passed:

“To go into a quasi committee of the whole for one hour subsequent to the demonstration for the purpose of discussing the General Education proposal.”

Ken Lord, Chair of the Undergraduate Curriculum Committee, gave a PowerPoint presentation of the General Education proposal. Discussion of the proposal began at 4:30 p.m. and ended at 5:15 p.m.

iii. MOTION: Duly made (Fields), seconded, and passed:

“To rise from the quasi committee of the whole.”

6. New Business (Tabassum):

ACADEMIC SENATE MINUTES, October 20, 2005

The following students were nominated to fill open seats on the Nominating Committee:

Diana Robinson – Social Sciences (to 2007)

Shahriar Ashraf – At Large (to 2006)

Seeing no further nominations, the Chair asked the Secretary to cast one ballot for the nominees.

7. MOTION: Duly made, seconded and passed:

“To adjourn.”

The meeting was adjourned at 5:17 p.m. The next Regular Academic Senate meeting will be held on Thursday, November 10, 2005.