

THE FACULTY SENATE
Washington, D.C.

The Faculty Senate

November 30, 2006

The Faculty Senate will meet on Friday, December 8, 2006, at 2:10 p.m. in the Alumni House, First Floor, 1925 F Street, N.W.

AGENDA

1. Call to order
2. Approval of the minutes of the regular meeting of November 10, 2006, as distributed
3. Resolutions

A RESOLUTION ON CONSTRUCTION OF NEW ACADEMIC FACILITIES
(06/4): Professor Linda L. Gallo, Chair, Physical Facilities Committee
4. Introduction of Resolutions
5. Report on the GW Law School: Dean Frederick M. Lawrence
6. General Business:
 - (a) Nominations for election to Senate Standing Committees:
Educational Policy: Professor R. Emmet Kennedy
 - (b) Nominations for appointment by the President to the following
Administrative Committee: Joint Committee of Faculty and Students:
Professor Harry E. Yeide
 - (c) Interim Reports of Standing Committee Chairs
 - (d) Report of the Executive Committee
7. Brief Statements (and Questions)
8. Adjournment

Elizabeth A. Amundson
Elizabeth A. Amundson
Secretary

Attachment

A RESOLUTION ON CONSTRUCTION OF NEW ACADEMIC FACILITIES (06/4)

WHEREAS, investment in new academic facilities and programming is an investment in the future of students and faculty advancing the Institution's Strategic Goals for Academic Excellence, enhancing connections to external partners, improving the Institution's ability to compete with peer institutions, attracting benefactors, and expanding the endowment, and;

WHEREAS, the Administration recognizes the opportunities created by investment in new academic facilities and, consistent with this recognition, has identified four schools (SEAS, SPHHS, GSEHD, Law) and two centers (Science, Cancer) in need of new/expanded academic space, and;

WHEREAS, the approval of a new campus plan is pending and a Science Center¹ was identified earlier by the faculty as the top priority for investment among future academic projects (Senate Resolution 04/1), it is timely for the faculty to prioritize the programmatic needs for new facilities among the identified Schools and Cancer Center, and;

WHEREAS, the operations of the Institution in the main University and in the Medical Center are budgeted separately, it is appropriate to prioritize separately the need of each for new academic facilities, and;

WHEREAS, the Physical Facilities Committee of the Faculty Senate, charged with studying the programmatic needs of the identified Schools and Cancer Center, has completed this study and concluded that the magnitude of need is greatest in SEAS, followed by SPHHS and GSEHD with no decisive differences between the latter two, and that need in the Law School and Cancer Center is comparatively lesser, and;

WHEREAS, The Council of Deans and the Executive Committee of the Faculty Senate have reviewed both the data available to and the conclusions reached by the Physical Facilities Committee and have expressed confidence in these conclusions, **NOW, THEREFORE**,

BE IT RESOLVED BY THE FACULTY SENATE OF THE GEORGE WASHINGTON UNIVERSITY:

1. That the Faculty Senate endorses investment in new facilities for SEAS as the priority second to a Science Center among future academic construction projects on the University side of the Institution, and;
2. That GSEHD assumes the priority second to a Science Center among future academic construction projects on the University side of the Institution if SEAS is accommodated in the Science Center as planned, and;

¹ present working name is Science and Engineering Complex

3. That SPHHS is the top priority among future academic construction projects on the Medical Center side of the Institution, and;
4. That existing, single use academic space that becomes available as programs transition into the new Science Center will be offered temporarily to GSEHD and SPHHS while these Schools await new facilities, and;
5. That the emphasis of advancement activities for new academic construction on the University side of the Institution should be in support of the Science Center, SEAS, and GSEHD and that the emphasis of advancement activities for new academic facilities on the Medical Center side of the Institution should be in support of the SPHHS.

Physical Facilities Committee
November 27, 2006

SEAS

SPHHS

GSEHD

1. Selected facts:

A. #students

2,200 (1700 G, 500UG)

968 (782 G, 186UG)

1752 (grad, half on campus)

B. #faculty

90 (75 T/TT, 80 engaged in scholarly activity,
57 with sponsored funding)84 (16 T/TT, 68 research, all engaged in scholarly
activity, 77% with sponsored funding) 183 limited
service.68 (41 T/TT, 27 contract, 35 with sponsored funding,
all engaged in scholarly activity)

C. Sponsored funding

13 million FY '05

9 million FY '05

16.5 million FY '05 (among highest \$ amt/faculty
nationally and 2nd highest \$ amt/GW Schools)D. National ranking, US News/
World Report

53 overall

None

21 overall; 9 private

2. Space:

A. Specialized instructional

(1). What they have

18,220 sq. ft.-FB
300 " " -MV
0 " " -VA16,450 sq ft.-FB
0 " " -MV
0 " " -VA525 sq ft. FB
0 " " MV
~650 " " VA (includes 2 classrooms)

(2). What they need

33,000 sq. ft. -FB (most critical need is
specialized lab space particularly for team
projects)No sq. ft. estimate, greatest needs include
environmental health lab (EOH), increased
computer lab space (EB), new physical activity
facility and motion analysis space (ES), video
conferencing space (HSML, GH), marketing
labs (PCH).19,800 sq. ft. of flexible space with collapsible walls,
movable furniture to serve as both general classroom
and specialized instructional space:
4000 sq. ft. 10 large (25-30) multiple use rooms
2800 sq. ft. 10 small (14-16) multiple use rooms
2500 sq. ft. Counseling lab
3000 sq. ft. Instructional service ctr/research lab
3500 sq. ft. Technology lab for distance edu
4000 sq. ft. Auditorium

(3). Why the need

A. Limitations to existing
coursesCS has limited lab space for hands on
instruction. 20% of courses / 200 students
impacted.100% of courses and 100% of students
limited. Need desks in clean, safe, and com-
fortable setting.An example of limitations is seen in the inability to
grow the counseling programs e.g., the School
Counseling Program and the Community
Counseling Program--no space for adjuncts, no
space for labs, no space for more students. Need
specialized equipment for videotaping and reviewing.
In the Rehabilitation Counseling Program and
Special Education Programs, it is impossible to
access and model best practices. Many students
in these programs have disabilities (2129 G St
inaccessible, 2136 G St difficult to access). These
limitations affect every student in all 3 M.S.
counseling programs as every student must have
60 hrs of lab experience.CEE 189, Enviorn Eng Lab limits # students/
section to 8. Discourages interested students
in the fastest growing area in CEE.Need wireless internet access, networking ca-
pacities, screens and projectors. No computer lab
for students.MAE and CEE heavy lab space severely lacking,
materials and hydraulics lab space shared
by two depts., 30-40% of both dept's. coursesAdd daytime public health-related activities and
grand rounds.

impacted.

MAE instructional instrumentation and controls lab equipment is 20 years out-dated.

ECE has shortage of biomed eng labs, limits growth of this fastest growing program, Affects 30-50 students / yr.

Inadequate project work space for collaborative course projects, senior design projects, and national competition projects. Space in hallways, a non-climate controlled shed, and school parking lot used.

B. New courses to be added with new space/equipment. Benefits.

CS and EMSE would add labs for both CSIA and Knowledge and Information Security Mgt. These areas are of increasing importance to our technological society, draw interest from local and national companies and from students at all levels. Benefits 25-50 students /yr. Benefits SEAS and SB.

MAE would add UG course in mechatronics, grad course in electromechanical control, and advanced course in control theory. These courses would advance areas of strategic importance to the dept. Benefit 20-40 students/yr. Benefit CCAS (Physics, Chemistry), SMHS.

Offer daytime courses to UG majors and grad students in public health. Benefits 250 day students. Benefit CCAS.

Add courses in women's health policy

Add courses to overlap medical (med and allied health students) and public health interests.

Add capstone course for Community Leadership Program plus courses that cover history, mgmt. theory and financing of community health ctrs.

Add new courses for environmental health risk science program e.g., Introd to Risk Assessment, Toxicology in Risk Assessment, Introd to Risk Communication, Risk and Cost Benefit Analysis.

Add courses in the design, mgmt, and operation of public health labs for UG and grad students.

Add a day program in public health.

Add a specialized program in women's health policy (a co-venture with Jacob's Institute for Women's Health). Benefits Public Policy.

Initiate a Visitor's Scholar Program in global health and extend in time to all SPHHS depts. Need offices and one classroom/dept. Scholars will

Bring science methods class, arts methods class, computer science methods class to campus from public schools.

Develop numerous new courses.

Increase the # of sections of courses in the School Counseling and Community Counseling Programs.

C. New programs dependent on space/equipment. Benefits.

MAE would add biometrics and bioinspired eng. Student increase of 25.(at all levels). Benefit CCAS (biol. sci) MAE would modernize instrumentation and controls lab/ introduce a credible mechatronics element to undergrad program.

CS would add an interdisciplinary digital media program-requires computer graphic and video equipment. Student increase of

Add new dual degree programs (4+1) in foreign language, math, science. Benefit SEAS, CCAS and add 20-25 new students/program.

Grow existing masters programs e.g., Counseling, International Ed., Higher Ed Adm. Add 20-25 students/program.

Programs in secondary math, science, English,

25. CS would expand computer security and information assurance program-needs hands on lab. Student increase of 25. CS would expand biomedical computing lab facilities. Benefits SMHS.

ECE would grow the high performance computing program-requires specialized lab space and equipment. Benefits other SEAS depts and CCAS (biol. sci., physics). ECE would develop a micro and nanotechnology integration program-requires edquipment/lab space. Student increase of 25.

CS, ECE, MAE have the faculty to develop a powerful program in micro and nanotechnology.

teach. Benefits ESIA.

Launch an Environmental Health Risk Assessment Program to assess/evaluate environmental risk hazards.

Establish with Assoc. of Public Health Labs a site to train public health lab workers worldwide.

Expand exercise science programs with new research into geriatric physical activity.

Develop a leadership training program between SPHHS depts. of health services mgt. and leadership and health policy with the National Assoc. of Community Health Ctrs. Need dual conference/classroom space.

Design/launch a School of Allied Health Professions in United Arab Emirates. Need classroom space to house UAE students/faculty.

House new National Commission on America's Health. Benefits SB and ESIA.

Provide home for Global Health Institute. Benefits ESIA.

(not possible to estimate # of students attracted to above programs)

social studies, museum ed, bilingual ed have one faculty member/program and have marked potential for growth. Add 20-25 students/program

Establish a Center for Improvement of College Teaching. Benefits advanced doctoral students and faculty across GW.

Set up GSEHD Technology Lab for Advancement of Distance and Mediated Learning. Benefit to all schools as a resource.

Set up Center for Reading/Literacy to support newly approved certificate and program area of concentration.

Set up Center for Analysis and Interpretation of Assessment Data in the context of NCLB. Need secure assessment lab and assessment tools.

Set up Community Counseling Services Clinic-serve the metro DC area for mental health counseling.

Expand Certificate on Career Development Facilitation-high community interest. Organizations looking for this type of training. Could benefit SB.

Nine other potential programs/certificates are mentioned. Each could attract 20-25 students minimum.

B. General purpose classroom

(1). What they have

sq. ft. not given
27 classrooms used
3 TH (15-25).
13 1776 G (10-25), rented
11 VA Campus, only grad classes

28,750 sq. ft. -FB (2,750 sq. ft. rented)
21 classrooms, 34 conference rooms-FB,
additional classrooms used in rented space.

0 sq. ft. No general purpose classrooms in GSEHD space

(2). What they need

11,000 sq. ft. (FB)

No sq. ft. estimate given. Need includes one large (200)classroom + 6 small (30-35) rooms + small group space.

19,800 sq. ft. of flexible space for general classroom and specialized use.

C. Research

(1). What they have

23,160 sq. ft. (FB), estimated
(research and instructional lab space)

No sq. ft. estimate given, but have a level of sponsored research to support 18,000

0 sq. ft. in GSEHD space.

	overlap)	sq. ft.	
(2). What they need	40,000 sq. ft. (FB)	No estimate	No estimate
(3). Impact	<p>1/3 research active faculty lacks adequate space/equipment (MAE-5, CS-10, CEE-2 ECE-5 to 10, EMSE-2)</p> <p>30-60 grad students/yr affected: -multiple students and advisor share same bench space e.g., in bioengineering 4 students plus advisor share.</p> <p>Grad students in research space distant from advisor.</p> <p>Grad student enrollment limited by inability to provide competitive education programs.</p> <p>Undergrads lack research opportunities to enrich and challenge.</p>	<p>All current and potential faculty impacted.</p> <p>All students impacted-student research activity separated from mentor.</p> <p>Specific needs include: enviornmental lab (would allow grant applications to EPA and NIOSH) and geriatrics physical activities lab.</p> <p>Present space and inadequate infrastructure do not accommodate growth (e.g., Dept Health Policy) and create disadvantage in applying for grants.</p>	<p>All faculty and students impacted. No space/equipment to support research.</p> <p>Research staff and faculty separated on most projects.</p> <p>No common meeting space.</p>
D. Total all purpose need	151,000 sq. ft.	100,000 sq. ft. estimated	80-90,000 sq. ft.
3. Student evaluation of space/ facilities '05:			
A. Graduate: MS PhD	<p>poor/fair =14%(n=148)</p> <p>poor/fair =20%(n=25)</p>	<p>35%(n=165)</p> <p>100%(n=1)</p>	<p>25%(n=284)</p> <p>15%(n=53)</p>
B. Graduating seniors: (dissatisfied/very dissatisfied with classroom/labs)	21%(n=83, 95%response rate)	14%(n= 38, 93% response rate)	N.A.
4. Strategic plan for academic excellence:			
A. Plan goals advanced by new school:	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6
B. Selective signature programs/school:	2 (transportation safety and security, bio-medical engineering)	none	none
C. Strategic alliances (# of academic, research, service partnerships)	201 funded (146 corporate, 55 federal agencies); 84 (51 private/nonprofit corp; 20 gov. agencies; 13 public/private universities) connected with centers, institutes, research labs.	257 (52 fed, local, internat'l gov.; 123 not-for -profit; 21 foundations; 24 corporate; 37 hospitals/health care facilities). Formal written agreements with 99.	94 funded projects; 58 partnership initiatives; 9 institutes/centers with 35 associated partnership initiatives.

<p>5. Accreditation issues:</p>	<p>ABET has raised space concerns for some activities e.g., Civil Eng labs devoted to environmental eg, soils materials, hydraulics; computer eng with limited lab and office space.</p> <p>Biomedical engineering programmatic space may be an issue for ABET in '07.</p>	<p>Council on Education noted in '02 that the school's functions were scattered and that students had many facilities complaints i.e., classroom space overcrowded/uncomfortable.</p> <p>Commitment to consolidated space essential to '07 review.</p>	<p>Lack of adequate space was cited by all the accrediting bodies (CACREP, NCATE, CORE) in both 2000 and '06.</p>
<p>6. New revenues expected:</p>	<p>200 more undergrads→ ↑\$4M</p> <p>Improve capability for sponsored funding to \$30M from \$15M</p>	<p>Tuition revenue from 250 day students (complete degree in two rather than 4 years, expect breakeven point for new facility at end of 1st year).</p> <p>Save \$1M/yr in off-campus rent.</p> <p>Increase sources for sponsored funding e.g., EPA an NIOSH with a new environmental lab.</p>	<p>Tuition for increased # of students in expanded programs.</p> <p>Increase sponsored research.</p> <p>Increase ability to partner with school systems.</p> <p>Offer services to community.</p> <p>Rent flexible use space to internal and external parties.</p> <p>Increase the use of distance and program technology in program delivery.</p>
<p>7. Alternatives to new FB faculty?:</p> <p>A. VA campus</p> <p>B. FB (occupy vacated space)</p>	<p>Undergrad education (computer security field) cannot be supported on VA campus.</p> <p>Expect externally funded projects to be equally located on two campuses.</p> <p>currently lease ~18,000 sq. ft.</p>	<p>Not a viable space alternative (need to be close to SMHS).</p> <p>currently lease ~ 41,500 sq. ft.</p>	<p>VA campus space used to house three off campus programs. The VA campus is not a viable option for housing on campus programs due to need for proximity to D.C.</p> <p>currently lease ~23,600 sq. ft.</p>
<p>8. Facilities of competitors:</p>	<p>competitors have better facilities</p>	<p>competitors have better facilities</p>	<p>competitors have better facilities</p>
<p>9. Projected need for graduates:</p>	<p>Great need nationally and internationally e.g., mech eng has 2nd largest # openings for B.S. grads; computer science openings to increase 40-50 % between 2004-2014; companies seeking grad education for technical employees.</p>	<p>Severe shortage of workers nationally and internationally due to current events e.g., anthrax threats, Katrina, expected flu pandemic, exploding diseases (obesity, diabetes, HIV/AIDS, TB, malaria), uninsured families, medical errors. Half of federal</p>	<p>Projected need for 2M new teachers nationally and 16 M internationally in next 5-10 years. Forty percent of public school teachers expected to exit within 5 yrs. Education administrator need expected to increase 9-17 % through 2014; counselor need expected to</p>

public health forces eligible to retire, upto 20% of state public health jobs vacant and 80% salaried public health workers without specific training.

increase 27% or more through 2014. There is increased need for international educators. Market potential unlimited.

**A RESOLUTION ON CONSTRUCTION OF NEW SCIENCE FACILITIES AS
THE TOP PRIORITY AMONG NEW ACADEMIC STRUCTURES (04/1)**

WHEREAS, science and technology have a critical impact on all life, and;

WHEREAS, investment in science facilities and science programming is an investment in the future of students, of the Institution, and of society, because it creates the opportunity for:

- strengthening teaching and learning at the undergraduate and graduate levels;
- increasing the enrollment and retention of talented science majors, in general, and diversity among science majors, in particular;
- attracting and retaining accomplished undergraduate students, whatever their major;
- increasing the number of non-science majors who enroll in science courses;
- bringing to students a command of the tools of focused inquiry, mentored discovery-based learning, collaborative problem-solving, writing, quantitative and informational literacy, and information exchange essential for work and lifelong learning;
- improving post-graduate outcomes in graduate/professional school acceptances and job placements;
- recruiting and retaining outstanding faculty;
- attracting exceptional graduate students and postdoctoral researchers in the sciences;
- improving professional placement of doctoral graduates;
- enabling collaborations and emerging interdisciplinary interactions in teaching and research;
- increasing research involvement and productivity for students and faculty;
- increasing competitiveness for external grants for such purposes as research, curriculum and faculty development, and instrumentation;
- enhancing connections to area external partners, e.g., the NIH, the Smithsonian; The Institute for Genome Research, the Goddard Space Flight Center, the Children's National Medical Center, the Naval Research Lab, and National Institute for Standards and Technology;
- expanding technology infrastructure through state-of-the-art laboratories and general purpose classrooms;
- affecting the University community in a positive manner with respect to morale, inspiration, involvement, collegiality, cooperation, and social interaction;
- attracting benefactors, engaging alumni, and expanding the endowment; and;

WHEREAS, an investment in science facilities and science programming advances the Institution's Strategic Plan for Academic Excellence by creating the opportunity for:

- delivering engaged and consequential undergraduate education;
- becoming a tier-one research institution;
- promoting quality, highly visible, revenue-generating graduate education;
- recruiting and retaining a diverse, nationally and internationally known, faculty producing increased research;
- leveraging the D.C. environment to deliver a world-class education;
- integrating research and teaching to solve problems in the urban environment;
- fostering a sense of community through a unified approach to science, and;

WHEREAS, understanding the draw of science and the revolution that is occurring within it, local universities, competing universities, aspirant universities, and schools of lesser status have constructed or committed to construct new science facilities, and;

WHEREAS, new science facilities will benefit other Schools, other CCAS disciplines and disciplines within the Schools that depend on excellence in the basic sciences both in academics and research, by providing the opportunity for:

- access to additional technology-enabled general use classrooms;
- flexible arrangements to accommodate the changing landscape of science;
- greater integration of mathematics, statistics, and computational sciences with other disciplines across the University, and;
- enhanced opportunities for cross-disciplinary collaborations, and;

WHEREAS, the construction of new science facilities and the accompanying benefits would have such a major immediate and future impact on the Institution, that funding by revenues generated by individual gifts, capital campaigns, indirect cost recovery, reallocation of funds, and new revenues (e.g., financial value derived from the old hospital site, tuition-generating programs and certificates) is justified, and;

WHEREAS, the quality and quantity of existing science facilities and science programming deprive the students, the Institution, and society of the full-benefits cited above and thus, undermine the effort of the Institution to achieve the goals stated in the Strategic Plan for Academic Excellence, **NOW, THEREFORE**,

BE IT RESOLVED BY THE FACULTY SENATE OF THE GEORGE WASHINGTON UNIVERSITY:

- (1) That the Faculty Senate endorses the investment in new science facilities that accommodate the physical, life, and mathematical sciences, ~~and~~ science programming, ~~and science-related engineering programs~~ ~~being~~ as the **top** priority among future academic projects; and
- (2) That the new science facilities will be defined with respect to size, site, use (school-wide, university-wide) and program goals through a careful collaborative planning process that includes science and non-science faculty, academic deans, campus planners and architects, advancement staff, and budget officers.

Adopted, as amended, May 7, 2004