

Faculty Meeting

November 29, 2001

President's Report

Agenda

- Recent Awards to Faculty and Staff
- Government Relations Activities
- Visibility Initiatives
- Recruitment/Admissions Activities
- ESF Strategic Planning Summary
- Proposed BS Program in Environmental Science
- Accessory Instruction Challenges

Recent Awards to Faculty and Staff

- **Dr. Ross S. Whaley** – awarded the Pinchot Medallion by the Pinchot Institute for Conservation
- **Dr. Robert H. Brock** – named a Fellow of the American Society for Photogrammetry and Remote Sensing
- **Professor Richard S. Hawks** – appointed to the National Trust for Historic Preservation Board of Advisors
- **Dr. Roy A. Norton** – elected honorary member of Hungarian Academy of Sciences

CNY dines well on Walsh's spending bill

By Mark Libbon
Washington bureau

It's good to be the chairman. Rep. James Walsh, R-Onondaga, proved it again Thursday by directing \$44 million in federal money to his Syracuse-based district.

The money — including another \$10 million for Onondaga Lake and \$6 million more for Syracuse housing initiatives — comes through the annual spending bill that Walsh produces as chairman of a House subcommittee on appropriations.

The House passed the bill Thursday by a vote of 401-18. The Senate and President Bush are expected to give their approvals in coming days.

The bill totals more than \$112 billion, and covers all federal

Highlights

In Onondaga County: \$10 million for Onondaga Lake cleanup.

In Madison County: \$490,000 for Madison County grant to improve industrial park sites.

In Cayuga County: \$700,00 for the Owasco Riverfront in Auburn.

In Oswego County: \$50,000 to Safe Haven Inc. in Oswego for museum.

spending on veterans, housing, the environment, space, science, emergency preparedness and other programs.

It's a popular bill because it is sweetened with money for local projects across the country. And few districts, if any, fare better in

LOCAL PAGE A-8



FROM PAGE ONE

Local projects get fed money

LOCAL FUNDING: The power from the 25th Congressional District in New York. The district includes all of Onondaga and Cortland counties, plus parts of Cayuga, Tigua and Broome counties.

And the bill includes money for Oswego and Madison counties, and the Finger Lakes region as well.

Here's what the bill includes for Central New York:

Oswego Lake: The \$10 million from the Environmental Protection Agency helps to meet the \$100 million the federal share of the \$191 million project to improve the wastewater system that discharges into the lake. In addition, Walsh has your annual number of million in another bill to support related projects through the Army Corps of Engineers.

Syracuse housing: The \$6 million this year comes out of the \$25 million already in the pipeline from previous years. The money is going toward neighborhood housing development projects throughout the city.

Bridges and marinas: A number of projects fall under the heading:

- Syracuse will hazard \$750,000 in federal money toward the design and construction of the \$25 million western causeway planned for the Thruway USA mall.
- The city plans to spend \$400,000 to renovate the lower level of the 36th Building on South Salina Street.
- The Onondaga Historical Association on Montgomery Street in Syracuse will use \$250,000 on building renovations.
- The Harrington Family Center in Syracuse will use \$200,000 to improve its facility.
- The Merry Go Round Playhouse in Auburn will use \$150,000 on theater renovations.
- Baldwinsville, an environmental education center in Minerva, will use \$50,000 to improve its center land.
- The Syracuse Boys and Girls Club plans to spend

\$20,000 on equipment and renovations.

- The Cortland Sports Complex will use a \$200,000 federal contribution to the project.
- The Cortland County Business Development Corp. will spend \$100,000 on improvements for Wetmore Technology, a high-tech firm.

Lower Onondaga Park: Walsh is getting the State College of Environmental Science and Forestry involved in making improvements to lower Onondaga Park, with \$200,000 for work on the portion of Onondaga Creek that flows through the park and \$250,000 to create a horticultural center.

Oswego Riverfront: The city of Auburn will use \$700,000 on its plans to integrate the Oswego Outlet into its overall scheme for downtown.

Oswego Community College: The Lantz Manufacturing Institute at OGC, where companies and workers learn how to streamline work processes, will get \$250,000 for equipment and other needs.

Finger Lakes: Walsh wants the regional planning board based in Syracuse and Baldwinsville to cooperate on a \$250,000 plan to conserve open space and farmland in the Finger Lakes region, where farmland is being supplanted by growth demanding to spoil wetlands and other rural assets.

Toughslopes River: Cortland County will use \$250,000 toward its goal of enhancing the Toughslopes site-OTF-line OH-gold riverfront to make it more attractive to pedestrians and fishermen.

Three Rivers: A \$300,000 grant flows to the town of Clay for its redevelopment efforts in the region where the Onondaga and Seneca rivers meet to form the Oswego River.

Indoor air: Syracuse University and the Syracuse Research Corp. will study the risks and effects of air pollutants with a combined \$1 million for projects at the New York Indoor Environmental Quality Center.

NASA: The administration and space agency will fund Walsh's Corp. of DeWitt \$4.2 million to develop a helicopter tracking system and EIS system. It will seek out working narrow corridors and eliminating urban drifts. Search also is in line for another big ap-

propriation in the upcoming Defense Department spending bill.

Lockheed Martin: Its Sikorsky Helicopters will get \$1 million for work on a system that detects air turbulence.

NASA: Also will spend \$2.5 million on research at Cayuga Community College and the State College of Environmental Science and Forestry and \$1.4 million on a business incubator center in Syracuse.

Studies: The city of Auburn will spend \$100,000 to analyze its housing market. The Metropolitan Development Association will use \$100,000 to come up with a plan to develop the former Geneva Street Academy in Syracuse.

Wastewater: The EPA provides \$1.3 million such as the Cayuga County communities, Oswego and Fair Haven, to improve sewage systems.

Watersheds: Another \$1.5 million goes to protect watersheds in Onondaga and Cayuga counties, and \$150,000 goes to SUNY ESF to evaluate the Otisco Lake watershed.

Water flow: The town of Hamilton will improve water flow with a \$350,000 grant. The Seneca Heights Fee Department in Onondaga gets \$40,000 for a water line.

Water system: The village of Tully benefits from a \$200,000 grant for infrastructure improvements.

Water treatment: Cornell University gets \$500,000 to propose ways of controlling nitrate, water chemistry and other aquatic weeds in Central New York watersheds.

Elsewhere in CNY: Walsh, Richard Keys, Sherwood Backus and John McElroy secure funds for these projects:

- **Worcester Labs:** the Air Force research center at the former Griffiss Air Force Base, gets \$1 million for air-sea tracking dual-use lightweight space radar technology.
- **Sale Haven Inc.:** in Oswego collects \$50,000 for work on a system, including the Port Ontario interagency refuge center.
- **Madison County:** will use a \$45,000 grant to improve industrial park sites. The South Rome Industrial Park in Onondaga County gets \$40,000 for site development.

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Government Relations Activities

- Meeting with and letter to Senator Hoffmann for Member Item support in the amount of \$218K for the Roosevelt Wild Life Station to help secure 6 jobs

Government Relations Activities

- Proposal for Upstate New York Centers for Anti-Bioterrorism (UMU/ESF; ~\$20M)
 - Senate Health, Education, Labor and Pensions
 - » Kennedy – Frist Bill: up to \$3.2B to boost bioterrorism funding
 - House Science Committee
 - » Water Infrastructure Security Research and Development Act proposed \$5B in authorization

Government Relations Activities

- Letter to Senators DeFrancisco, Wright and Stafford for Member Item support in the amount of \$250K for the New York Center for Forestry Research and Development

Government Relations Activities

- Coordination with Aiken Gump, Research Foundation (Matt Behrmann), House Science Committee staff, Assemblyman Magnarelli, Senate Energy Committee and the staff of Senator Schumer to get language in the Senate Energy Bill Re: ESF's Center for the Development of Biobased Products

Visibility Initiatives



It's a whole new world ...
right across the street

A course from ESF will broaden your experience and enhance your major. Just look at some of our 300 course offerings:

- Tropical Ecology (a spring break field trip too!)
- Survey Law
- Drugs from the Wild
- Molecular Biology Techniques
- Photogrammetry
- Environmental Chemistry
- Ethnic Inequities and Intergroup Relations
- Environmental Psychology
- Environmental Conflict and Citizen Groups
- Cultural Landscape Preservation
- History of Landscape Architecture

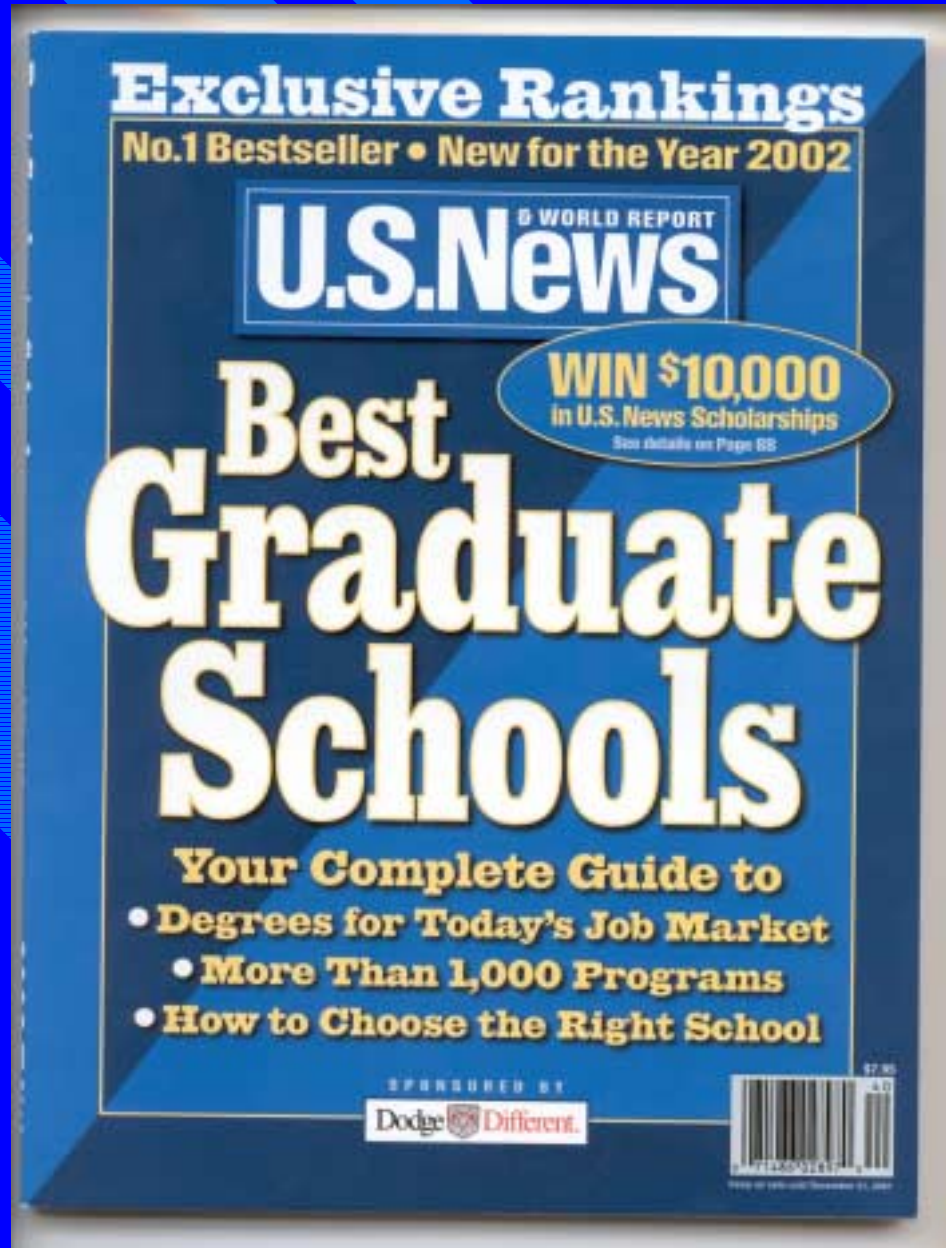
Spring Registration: November 9-20.

See your academic advisor to register.

SUNY College of Environmental Science and Forestry

www.esf.edu

Visibility Initiatives



INSIDE OUR SCHOOLS

What is Geography Awareness Week?



Geography week Follow the course of a droplet of water: descending to earth, striking a mountain-top, trickling down streams into rivers, flowing eventually into the sea.

Geography Awareness Week this year focuses on rivers. They provide drinking water for millions, are home to billions of creatures and many times become the source of conflict.

Nations have fought wars over river rights. Western states continue to battle Nevada for more access to the Colorado River. Before Israelis and Palestinians can reach an agreement, both sides will delineate rights to the Jordan River.

National Geography Awareness Week, initiated in 1987 by the National Geographic Society's Geography Education Program, is an annual celebration to promote geographic literacy. Each year, a new theme is emphasized.



MARCELLUS STUDENTS Brent Bishop (left), Erin Bowman, Marcus Hagan and Steve Karlovitz look at insect nymphs in

Nine Mile Creek on Thursday. Each year, biology teacher Heidi Busa takes her students on a field trip to the creek.

Stephen D. Cameron / Staff photographer

Visibility Initiatives

ESF Puts Environment in High School

College lets students tackle deep topics

By Paul Riolo
Staff writer

A curriculum being completed at the SUNY College of Environmental Science and Forestry will help teach high school students around the state that there's a lot more to rivers than fish and running water.

The study guide — part of a growing effort by SUNY ESF to bring environmental education into high schools — focuses on the Hudson River. But it goes far beyond simple science. The guide will help teachers and students explore not only the Hudson's ecology but the historical, economic and even artistic impacts a river can have on a region and its people.

"You see the importance of the connections between things," said Rick Beal, an associate at ESP's Office of Educational Outreach who is helping to put the curriculum together. "You see that things are complex and that if you change one thing, it may have an effect on other things down the line. And I think that's an important lesson."

It's a lesson more local students are learning. Although environmental science courses are not mandated by the state, they are becoming more popular in some high schools. Corcoran High School in Syracuse, for instance, added a third section of environmental science this year to accommodate demand.



Shawn D. Carver/SUNY photographer

BRENT BISHOP and Erin Bowman take a closer look at the contents of their net. The students' tests help to monitor the environmental health of Nine Mile Creek.

Corcoran teacher Jim Smith, who wrote the first environmental science curriculum for the school a dozen years ago, said students see the course as an "out-of-the-box" elective that brings together different disciplines in a hands-on way.

Next year, Corcoran hopes to

offer a course for SUNY ESF credit, called "The Global Environment." This course is being offered this year at DeRuyter, Marcellus and Skaneateles high schools and at the Cayuga-Oswego BOCES.

The course is part of an effort called "ESF in the High

Wednesday

Hydroelectric power plants harness the energy in rivers. But they are expensive to build, sending hydro's potential for growth to **business**.

School." The college will add another for-credit course next year. "Writing and the Environment." As many as a dozen local schools may offer one course or the other, Beal said.

The Hudson River project is a separate, seven-part curriculum, but it puts a similar emphasis on the interdependence of systems within the environment. Schools will be able to incorporate all or part of the curriculum into their existing science courses. And teachers from different disciplines will be able to contribute their expertise to give students the full story of the river.

One unit, for example, will focus on the fate of the sturgeon, a fish that at one time played a central role in the economy and culture of the river. The fish was sought after for its caviar as well as for its meat, which came to be known as "Albany beef," Beal said.

The unit will chronicle the decline of the sturgeon as an economic force and its struggle to survive amid pollution and the loss of much of its habitat. Students will be asked to produce a "management plan" to ensure the continued survival of the sturgeon.

Another unit will focus on the Hudson School painters and what their work says about our attitudes toward nature.

The curriculum will fit best

Today's question

A narrow strip of land bordered by water and connecting two large land masses is known as what?

For the answer and a chance to try four additional questions, call NewsLine at 472-2111 and punch in category 3228.

46 schools along the Hudson, but teachers will be able to adapt parts of it to rivers and streams in their areas.

Teacher Heidi Bana, science department chairman at Marcelus High School, has been working with ESP to make sure the Hudson River curriculum is accessible to high school students and that it lines up with the state's learning standards. She is considering adding portions of the curriculum to her work with students at nearby Nine Mile Creek. Every year, Bana's students take samples of organisms from the creek to monitor its environmental health.

She said many of her students enjoy the research at the creek more than anything else.

"They get excited about what we're doing," she said. "They see the relevance to their local environment."

That's the kind of interest Beal and his colleagues hope to spur with their Hudson River unit and their "ESF in the High School" courses.

"Kids are interested in things that are real," Beal said. "We're trying to make things more learner-centered and hands-on. . . . We want to expose them to environmental challenges."

Visibility Initiatives



Recruitment/Admissions Activities

Applications Processing Center Information

Applications for Fall 2002 as of 11/25/01

	Fall 2000	Fall 2001	Fall 2002	Fall 2001/2002 Percent Change
Freshmen	193	205	236	+ 15.1%
Transfer	38	34	25	- 26.5%
			Overall	+ 9.2%

Recruitment/Admissions Activities

January 2002 – Spring Admissions

	Applications	Acceptances	Deposits
2002	82	38	20
2001	96	36	11
2000	108	47	9
1999	88	31	13

What can faculty do?

Make phone calls

Write

On-line system available to faculty chairs.

Start Now!

On-line Faculty Chair Accepted Students Data

SUNY College of Environmental Science and Forestry Undergraduate Admission Data for Departments Students that have been accepted

List Student Address Information

Faculty Department:

Forestry

Semester:

Fall 2001

Enter Date to Begin Search:

Enter Date to End Search:

Enter

List Student Academic Information

Faculty Department:

Forestry

Semester:

Fall 2001

Enter Date to Begin Search:

Enter Date to End Search:

Enter

Please Note: Your web session will time out 20 minutes after your last click. Also there is a three day lag time before accepted can be accessed.

On-line Faculty Chair Accepted Students Data



Faculty Chair Data

Current Students in Forestry

Student Name	Program of Study	Decision	Decision Date	Acceptance Date	Gender	EOP Ind	Ethnic Origin	Student Type	High School Name	High School Grad Date	College Name	TASC
Doe, A	FRM	ACCEPTED/PAID	8/21/01	8/3/01	Male	No	White	Transfer		06/1996		33
Doe, B	FRM	ACCEPTED/PAID	1/19/01	12/27/00	Male	No	White	Freshman	Ithaca High School	06/2001		0
Doe, C	FRM	ACCEPTED/PAID	2/27/01	2/1/01	Male	No	White	Transfer	Batavia High School	06/1999	Suny Coll Environmtl Sci Frstry	67

You can import a comma-delimited file of these students into a database or spreadsheet on your PC. To create this comma-delimited file on your PC, [left-click here](#) to view the contents of the file, and then copy and paste into a text editor such as WordPad and save the file as a text document. More simply, if your browser permits, [right-click here](#) and then click "Save Target As" (Microsoft Internet Explorer) or "Save Link As" (Netscape) and enter the file name you want it saved to. Your browser will then download to that file.

On-line Faculty Chair Accepted Students Data



SUNY College of
Environmental Science
& Forestry

Faculty Chair Data

Current Students in Forestry

Student Name	Home Address	City	State	Zip Code	Phone	Prog Study	Email	Accept Date	Student Type
Doe, John	1234 Middle Rd.	Amenia	NY	14567	(315)987-6543	FRM		11/16/01	Transfer
Doe, Jane	987 First St.	Locust Valley	NY	11560	(516)234-5678	FRM/RECREATN	JDOE@ABC.COM	10/23/01	Transfer
Doe, Joan	10 Old Rte. 100	Carmel	NY	10512-210	(845)456-7890	FRM	JOAND@XYZ.COM	11/21/01	Transfer

Click [here](#) to send email to all students.

Recruitment/Admissions Activities

Report on Visits to NYC Community Colleges

November 12-15, 2001

Jim Heffernan

- Bronx Community College
- Borough of Manhattan Community College
- Queensborough Community College
- LaGuardia Community College
- Hostos Community College
- Boricua College (non-CUNY – graduate recruitment)

Recruitment/Admissions Activities

Inquiry Pool Receptions

11/2 Buffalo ~25

11/10 New York City ~25

11/14 Huntington, Long
Island ~25

11/15 Albany ~50

~125 students

(~250 Total attendance)

ESF Strategic Planning Council

Draft College Goals

Derived from November 2nd

Strategic Planning Meeting

ESF Strategic Planning Summary

1. To achieve academic excellence in both undergraduate and graduate education.
 - a. Create 5 to 7 programs in top five nationally (each faculty)
 - b. Add academic programs
 - 1) BS in Environmental Science
 - 2) Biotech/Renewable resources
 - 3) Biophysics and bioinformation
 - c. Adopt a problem-based curriculum
 - d. Reduce number of undergraduate courses and be more strategic

ESF Strategic Planning Summary

2. To provide an outstanding student experience through academic, service, and experiential learning.
 - a. Achieve highest graduation rates in SUNY
 - b. Institutionalize problem-based learning
 - c. Identify maximum size for enrollment, faculty and staff factoring in issues of equity and cultural diversity

ESF Strategic Planning Summary

- d. Need to define set of skills and knowledge *all graduates* of ESF will have upon graduation
- e. Add summer bridge and summer eco-camps
- f. Increase experiential learning opportunities

ESF Strategic Planning Summary

3. To be the “go-to” institution with a strong and visible reputation with all our customers.
 - a. Create “brand name” recognition and attraction
 - b. Target high school guidance counselors to communicate our excellence
 - c. Pursue College programs and activities in multiple off-site locations including international arenas

ESF Strategic Planning Summary

- d. Be a major player for environmental consultation by business, government, grants, etc.
- e. Hire a VP for marketing
- f. Create an extension campus in NYC for student outreach and teacher development

ESF Strategic Planning Summary

4. Become more financially secure and independent through diversification, endowment and research.
5. To take a leadership role in building partnerships and collaboration in the community, state and beyond.
 - a. Act as a catalyst for economic development in CNY
 - b. Take on the large environmental issues
 - c. Create a sustainable number of partnerships

ESF Strategic Planning Summary

6. To respond to the needs of society through teaching, research and public service.
 - a. Create organizational agility
 - b. Introduction to Entrepreneurship
 - c. Teach teachers to teach
 - d. Reconfiguration of existing programs
 - e. Create 2 yr program in Environmental Technology

ESF Strategic Planning Summary


7. To continually assess and improve internal operations and the work environment.
 - a. Improve business (easier) of doing business
 - b. Market / survey / assess to determine change
 - c. Systematic assessment-ongoing and comprehensive
 - d. Promote the professional and personal development of faculty and staff

What's Next?

- Taking Stock Final Report is Due 1/15/02
 - Focus of 1/15/02 Unit Reports
 - Results and Vision
 - Goals
 - Next Steps
- (See outline in Daring to Dream web site)
(9/28/01 memo)

What's Next?

- 10/15/01 Interim Reports on Web Site
 - Opportunity for Cross Fertilization
- Feedback on Draft College Goals
 - Next week to CBM
- Feedback from Strategic Planning and Campus Community
 - 12/10 through 12/21
- Middle States Site Visitation Team Impressed with Process



**Proposed
BS Program in Environmental
Science**

Preliminary Program Concepts

Why Propose an Environmental Science BS Program?

- Competitive Environment
- College Visibility
- Not Looking to Have this Program Compete with Other Programs
- Creating a New and Small Pool of Students
- Looking to Start with a Small Number of Selective Students

Why Propose an Environmental Science BS Program?

- Interdisciplinary Nature of Environmental Science
- First Three Semesters Having a Common Curriculum
- How Can ESF Not Have an Undergraduate BS in Environmental Science?

PRELIMINARY
Environmental Science – BS Program
(Concentrations or Options)

- **Watershed Hydrology**
 - (ERFE, EFB, FOR)
- **Health and the Environment**
 - (EFB, Chem)
- **Large-Scale Environmental Systems**
 - (EFB, FOR, ES)
- **Environmental Chemistry**
 - (Chem)
- **Environmental Analysis**
 - (Chem, EFB)
- **Environmental Engineering**
 - (PSE, ERFE, Chem & CMWPE)

Preliminary Schedule
Review and Approval of BS Program
Environmental Science

COI Meeting	2/4/02
Faculty Meeting	2/14/02
COI Meeting	3/4/02
Faculty Meeting	3/21/02
Catalogue Due	3/26/02
SUNY Viewbook Due	4/15/02
Faculty Meeting	4/25/02

Accessory Instruction

Academic Value

Corrective Actions

Projected Financial Impacts

Rate/Cr. Hr.: \$444 in 2001-02

Academic Value

- Provide Access to a Large and Diverse University Education
 - Wise use allows for control of:
 - » Increasing freshman class size
 - » Diversity in General Education
 - » Diversity in special areas
 - » Graduate level course (MPS etc.)
 - » Achieving educational outcomes

Academic Value

- Provide for Focusing ESF Resources on Mission Areas
 - Sciences (Physical, Biological and Social)
 - Management
 - Design
 - Engineering

What Corrective Actions are Appropriate?

- Correct Registration to Place Students in an ESF Course Closely Equivalent to an SU Course
 - From GEO 172 into EST 496
 - From various into FOR 296
 - From MAT 485 into APM 485
 - From various into APM 153
 - From CHE 117 into FCH 153 (expanded)
 - From FIA 106 into EIN 205
 - Additional proposed courses
- Tighten AI Use Guidelines

Impacts (Projected)

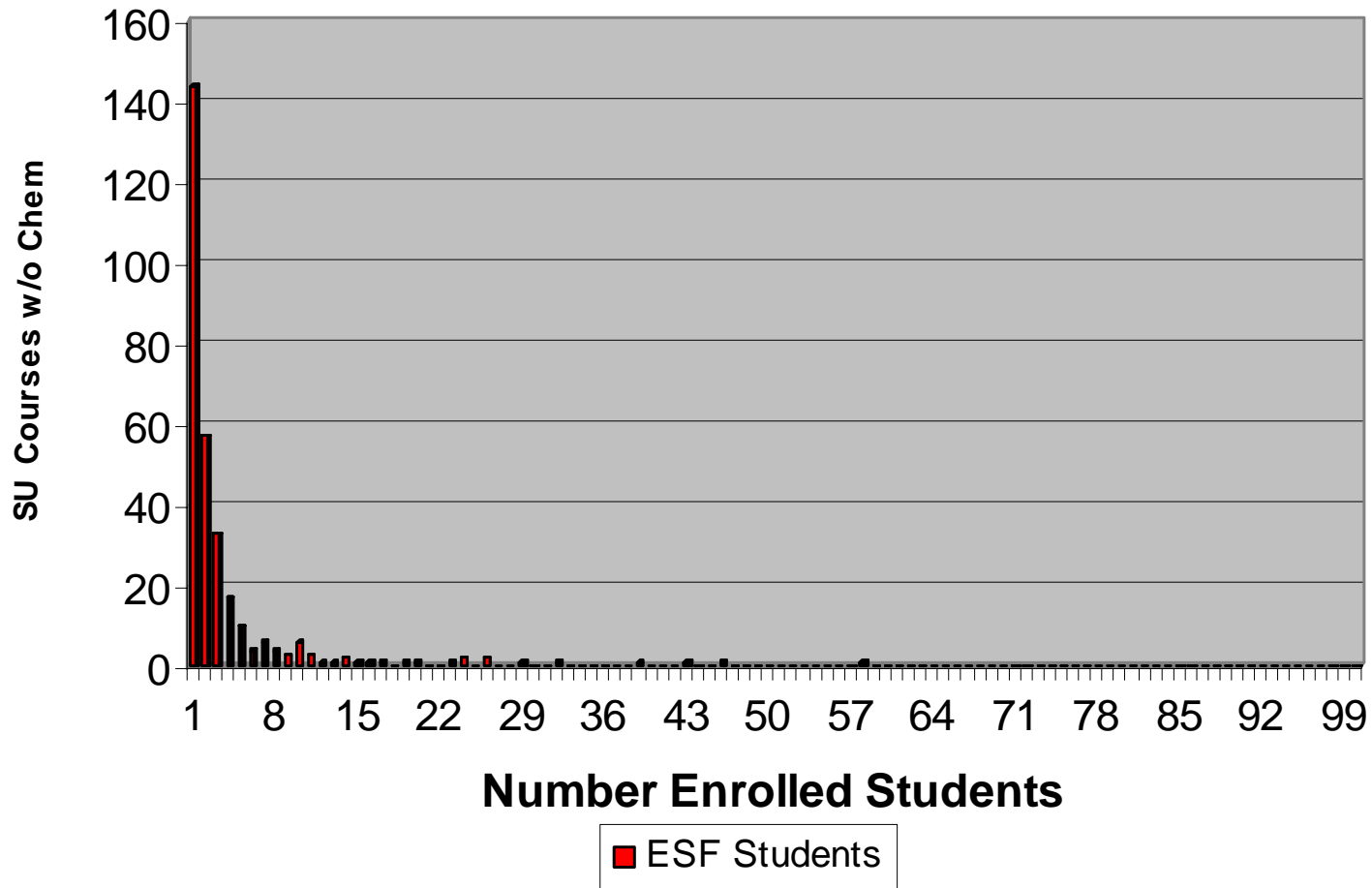
- Maximize Access to Enriching Diversity of SU Courses that ESF Does Not Offer Similar Coverage
 - About 280 courses in Spring 2002
- Reduce AI Budget Deficit

Current deficit	\$260,000
Adjusted deficit	<u>104,000</u>
Savings	\$156,000

- Cost ESF 2001-02 Part Time Instruction: \$54,000
 - Save ESF 2002-03 Budget: \$18,000
- | | |
|----------------|-----------|
| Total Savings: | \$120,000 |
|----------------|-----------|

Accessory Instruction

ESF Students in SU Courses: Spring 2001



“We are making progress and I am gratified with that progress.”

“We still have a lot to do.”