

JANUARY 1, 2000 through DECEMBER 31, 2000

FACULTY SERVICE TO HOPE COLLEGE

[PLEASE TYPEWRITE
OR USE COMPUTER]

NAME Herbert L. Dershem

A. TEACHING AND ADVISING:

1. Courses Taught and Enrollment

(Attach report from Registrar's Office)

2. Supplementary Notes

On sabbatical, Spring 2000

B. SCHOLARLY AND PROFESSIONAL ACTIVITY

1. Scholarly Work and/or General Professional Development (including papers presented, publications, performances, recitals, exhibitions, and work in progress)

Reviewed 4 papers for NECC 2000, 3 papers for SIGCSE 2000 and 2 textbook manuscripts. Councilor for Council on Undergraduate Research (CUR) and coordinator of Consulting for Math/CS Division

Member, Conference Committee, Midwest Small College Computing Conference, Student Papers Co-Chair, 2000, Associate Conference chair, 2000, Conference Chair, 2001

Wrote & submitted 16 chapters for textbook, Programming Languages: Models and Structures, 3rd Edition.

*External reviewer of tenure and promotion candidacy for three outside institutions
External Reviewer, Mathematical Sciences, College of Wooster.*

Panelist, NSF Information Technology Research panel, February, 2000.

Associate Faculty for two courses, United States Open University.

Appointed to Advisory Committee for Computing, United States Open University.

Paper published: "An Abstract Window Toolkit Visualizer for Computer Science Instruction," Midwest Instruction and Computing Symposium, April, 2000, with Josiah Dykstra and Keith Suppes. Winner of Best Student Paper Award.

2. Grant Proposals Submitted (if funded, specify amount and date/period of the grant)

REU: An Undergraduate Research Participation Program in Computer Science, \$159,300 submitted to NSF-REU program-pending.

An Object-Oriented Execution Visualization Environment for Learning Introductory Computer Science, \$74,296 submitted to NSF-CCLI-not funded.

C. INTERNAL SERVICE

1. Involvement with Students Outside the Classroom, e.g., Directing a Play, Recitals, Coaching, or Sponsoring a Club (List activity and number of students engaged with you in this activity)

Faculty advisor, Alpha Kappa Pi (12 students)

Faculty advisor, ACM Student Chapter (25 students)

Supervised three academic year undergraduate research projects

Co-Director Summer Research Program.

Faculty Organizer, Chi Omicron Gamma, Computer Science Honorary.

2. Administrative Service, Board and Comm...
Assignments (List)

*Chair, Computer Science Department
Department Assignments: Admissions liaison, newsletter edi-
tor.
Member, Alumni Board for Distinguished Alumni 2001.*

D. OTHER (e.g., public service, consulting, curricular/course development, lectures, seminars, and presentations to high school students or church groups)

*Member, Young Life Regional Committee
Co-taught class on New Testament at Christ Memorial Church
Pastoral Care Elder, Christ Memorial Church
Invited Speaker at RISE meeting
Consultant to Agritek Corporation*

E. Which of your accomplishments or activities of the past year do you consider most noteworthy?

The most significant was the submission of two NSF grant proposals in one year and the experience gained in distance education through my affiliation with the United States Open University.

F. CHAIRPERSON'S SUMMARY EVALUATION

UNSATISFACTORY FAIR GOOD SUPERIOR OUTSTANDING

(On this continuum, the chairperson should place the letters **TA** for Teaching and Advising, **SP** for Scholarly and Professional Activity, and **SE** for Service, at whatever point she/he considers appropriate.)

College: NS Natural Science /Department: CSCI Computer Science

Id: 000000181 Name: Dershem, Herbert L.

Status: AC Active Professor
Category: PROF

Home Admin Coll: NS Natural Science Home Admin Dept: CSCI Computer Science
Staff Type: FT Full Time
Workload Rule: FTCOMP Full Time Computer

***** College & Department Information *****

Home	College	Department	%
Y	NS Natural Science	CSCI Computer Science	100

***** Instructional Assignment *****

CRN	SI	Subj	Crse	Sec	Course Title	S	Enrl	Sess	Gen	Cred	Col	Dept	Std	Adj	Hrs	%	Res	Calc	Inst	%	---Contact	Hrs--	FTE	PO
----	----	----	----	----	-----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	----	----	----
80493	01	CSCI	225	01	Software Design&I	L	25	4.00	100.00	HC	CSCI	4.00			100	100	4.00	4.00	4.00	100	4.16	65.72	.33	Y
80497	01	CSCI	361	01A	Programming Lang	L	21	2.00	42.00	HC	CSCI	2.00			100	100	2.00	2.00	2.00	100	3.79	28.84	.16	Y
80498	01	CSCI	363	01B	Programming Lang	L	17	2.00	34.00	HC	CSCI	2.00			100	100	2.00	2.00	2.00	100	3.49	27.92	.16	Y
80499	01	CSCI	481	01	Senior Project Se	P	17	4.00	68.00	HC	CSCI	2.00			100	100	2.00	2.00	4.00	100	1.66	25.73	.16	Y
80500	01	CSCI	490	01	Independent Study	I	5	1.00	5.00	HC	CSCI				100	100	.00	1.00	1.00	100	1.00	.00	.00	Y

***** Non-Instructional Assignment *****

Type	Description	Workload	Coll	Dept	TOPS	FTE
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CHR	Department Chairperson	3.00				.25

***** Workload Summary *****

Session Credit Hours:	13.00	Instructional Credit Hours:	13.00
Generated Hours:	249.00	Instructional Workload:	10.00
Weekly Contact Hours:	14.10	Non-Instructional Workload:	3.00
Term Contact Hours:	148.21	Total Workload:	13.00
		Term FTE:	1.08

Herbert L. Dershem

Self-Evaluation

2000

I. Teaching

I was on sabbatical leave during the Spring semester. In the Fall semester I taught a standard load. Noteworthy was the Programming Languages pair of courses (361,363). These were taught in a split format for the first time and I used the draft of the Third Edition of the textbook written by Mike Jipping and me in teaching the course. Also, I introduced several new approaches in CSCI 481, Senior Project Seminar, especially in the area of computer ethics.

	Preparation	Enthusiasm	Personal Interest	Overall	N
CSCI 225	3.94	3.92	3.85	3.86	21
CSCI 361	3.85	3.79	3.62	3.58	19
CSCI 363	3.90	3.94	3.76	3.83	15
CSCI 481	3.82	3.94	3.88	3.88	16
Total	3.88	3.89	3.78	3.78	71

II. Scholarship

Scholarship in 2000 consisted of the publication of one paper co-authored with summer research students that won a "Best Student Paper" award, preparing 16 chapters for a new edition of a textbook, chairing a major conference planning committee, being invited to consult with and teach for the newly-formed United States Open University, and serving on an NSF panel related to instructional technology research. This was a productive year as far as scholarship is concerned.

III. Service

My service was devoted to the duties of department chair. This included more than 20 sessions and activities that I hosted for prospective students. It also included major efforts at recruiting faculty during the entire year. I also provided leadership in the implementation of a completely new curriculum for the department.

Review of Goals for 1999

1. Submit a proposal to the NSF-CCLI program for further development and dissemination of my software visualization work.

Proposal was submitted, but it was not funded.

2. Submit a proposal the NSF-REU for a continuation of the department's program.

Proposal was submitted and I am awaiting word on its funding status.

3. Complete the writing of the Third Edition of Programming Languages: Structures and Models.

Eighty percent of the textbook is now completed in first draft form.

4. Gain experience in distance education by serving as a Faculty Associate for a Computer Science course offered by the United States Open University.

I successfully taught two different courses.

Goals for 2000

1. Resubmit proposal to the NSF-CCLI program for further development and dissemination of my software visualization work.

2. Successfully conduct summer research program and prepare results of work for dissemination.

3. Complete the writing of the Third Edition of Programming Languages: Structures and Models.

4. Increase my knowledge and experience in distance education by taking on additional responsibilities with the United States Open University.

Dean's Performance Review for Herb Dershem

Herb had another outstanding year. He is a significant leader not only in his own department, but in the science division and broadly within the institution as well. This year he wrote and submitted 16 chapters for the 3rd edition of his textbook entitled *Programming Languages: Models and Structures*, wrote and submitted two proposals to the NSF, taught a significant load of courses, and published a paper with a Hope student. Add to this a compendium of service to the Hope community and broader community as well and you will soon realize why I consider Herb to be one of the true leaders in our division. I rate his teaching and service as outstanding and his scholarship just slightly less than outstanding.

A handwritten signature in black ink, appearing to be 'J. J.', is located below the main text. The signature is written in a cursive style with a long horizontal stroke extending to the right.

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80500	01	CSCI	490	01	Independent Study	I	5	1.00	5.00	HC	CSCI		2.00		100		.00	1.00	1.00	100	1.00	.00	.00	Y

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