

JANUARY 1, 1997 through DECEMBER 31, 1997

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

None

B. SCHOLARLY AND PROFESSIONAL ACTIVITY

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

Reviewer of papers for National Educational Computing Conference

Reviewer of two manuscripts for Scott/Jones Publishers

External reviewer of tenure candidacy for two outside institutions

Re-elected as CUR Councilor for second three-year term

Panel member, "Undergraduate Research-Welcome to the 21st Century" at SIGCSE '97 Technical Symposium, San Jose, CA February, 1997

Publications: "Java Class Visualization for Teaching Object-Oriented Concepts" with James Vanderhyde and "Tools for Web-based Sorting Animation" with Peter Brummund, to appear in SIGCSE Bulletin

Member, Conference Committee, Midwest Small College Computing Conference, Papers co-chair, 1997, Speakers chair, 1998.

Reader, AP Computer Science Exam, Clemson, SC, June, 1997.

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

NSF-CCD, "Developing and Integrated, Web-based Learning Environment for Computer Science General Education," \$149,975, not funded

NSF-REU, "Computer Science Research Experience for Undergraduates," \$146,700, 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, Spring semester (25 students)

Supervised two summer undergraduate research projects and three academic year undergraduate research projects

Name: Herbert L. Dershem

2. Administrative Service, Board and Committee and/or Departmental Assignments (List)

Chair, Computer Science Department

Member, Status Committee

Department Assignments: Admissions liaison, newsletter editor, assessment coordinator

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

Conducted session for Technos International students, March 1997

Internet Workshop for HASP, October, 1997

Session for 9th graders from Black River School, December, 1997

Science Day Presentation, October, 1997

Talk to Holland Rotary Club, July, 1997

Member, Young Life Regional Committee

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

The acceptance of two papers for publication from the student research projects last summer. It is rare that papers co-authored with students are accepted for publication in a non-student journal, and to have two accepted from a single summer's efforts is very gratifying.

Also noteworthy was the writing of two major NSF proposals. Together, this effort took one month and these proposals are key to the future of both research and curriculum in the department.

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.)

DATE RUN 01/05/98

HOPE COLLEGE
STUDENT INFORMATION SYSTEM

PROGRAM ID RBA275

Hope College

INSTRUCTOR IN SI DEPT	NUMBER/NAME COURSE ID	HOME-DEPT COURSE TITLE	RANK TYP	CREDIT	FACULTY LOAD CLAS PCT SIZE LOAD	COURSE DETAIL BY HOME DEPARTMENT/INSTRUCTOR		TOTAL CREDITS	*TOTAL CONTACT/INSTRUCTOR GROUP INDIV	TOTAL	
						-CONTACT PER WEEK-	INDIV				
TERM: 971 - 1997 SPRING											
HO	CSCI	271-40-8660 DERSHEM, HERBER	CSCI	4.00	26 100%	3.00	0.00	104.00	78.00	0.00	78.00
HO	CSCI	CSCI-225-01	SM DESIGN & IMP	0.00	25 100%	1.50	0.00	0.00	37.50	0.00	37.50
HO	CSCI	CSCI-225-11	SW DESIGN & IMP	3.00	1 100%	3.00	0.00	3.00	3.00	0.00	3.00
HO	CSCI	CSCI-286-01	INTRO TO DATA ST	3.00	12 100%	3.00	0.00	36.00	36.00	0.00	36.00
HO	CSCI	CSCI-488-01	THEORETICAL COMP	1.00	1 100%	0.00	0.00	1.00	0.00	0.00	0.00
HO	CSCI	CSCI-490-01	IND STUDY - RESE	3.00	1 100%	10.50	0.00	144.00	154.50	0.00	154.50
TERM: 978 - 1997 FALL											
HO	CSCI	271-40-8660 DERSHEM, HERBER	CSCI	4.00	24 100%	5.00	0.00	96.00	120.00	0.00	120.00
HO	CSCI	CSCI-225-01	SM DESIGN & IMP	3.00	1 100%	3.00	0.00	3.00	3.00	0.00	3.00
HO	CSCI	CSCI-383-01	PROGRAMMING LANG	3.00	10 100%	3.00	0.00	30.00	30.00	0.00	30.00
HO	CSCI	CSCI-386-01	ALGORITHMS	3.00	10 050%	1.50	0.00	15.00	15.00	0.00	15.00
HO	CSCI	CSCI-480-01	SENIOR PROJECT S	1.00	1 100%	0.00	0.00	1.00	0.00	0.00	0.00
HO	CSCI	CSCI-490-01	IND STUDY - RESE	3.00	1 100%	12.50	0.00	145.00	168.00	0.00	168.00

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Herbert L. Dershem

Self-Evaluation

1997

I. Teaching

My teaching included no new courses this year, though there were major changes in CSCI 225, first in the introduction of the Java language and then in the use of the clabroom. The summary below includes the categories of evaluation that I feel are most important.

	Preparation	Enthusiasm	Personal Interest	Overall	N
CSCI 225	3.93	3.98	3.96	3.93	25
CSCI 488	3.90	3.98	3.87	3.95	11
CSCI 225	3.95	3.98	3.72	3.83	19
CSCI 386	3.90	4.00	3.86	3.94	10
Total	3.93	3.98	3.86	3.91	65

II. Scholarship

Scholarship in 1997 consisted of summer research with students, the acceptance for publication of two papers co-authored with summer research students, the writing of two NSF proposals, serving on a major conference planning committee, and making presentations and serving on a panel related to undergraduate research in computer science. This was a very productive year as far as scholarship is concerned.

III. Service

My service was devoted to the duties of department chair and Status Committee. This included more than 20 sessions and activities that I hosted for prospective students. In addition, I made a number of presentations to outside community groups.

Review of Goals for 1997

1. Successfully complete the Third Edition of the Dershem/Jipping textbook.

I abandoned this goal because a new editor has not given encouragement to a Third Edition.

2. Write a proposal for another three year NSF-REU project.

This was done. Decision on funding is pending.

3. Write a proposal for a curriculum development project from NSF to develop materials for our new "clabroom" facility.

This was done. Funding was denied, but work done in 1997 will serve as a foundation for future work.

4. Adapt my courses to take advantage of the "clabroom."

This was done to a limited degree. More needs to be accomplished. (See 1998 goals below.)

Goals for 1998

1. Submit a revised proposal to the NSF-CCD program for curriculum project using clabroom.
2. Successfully initiate new phase of REU summer research, integrating faculty from neighboring institutions.
3. Continue adaptation of my courses to the clabroom environment
4. Develop textbook and ancillary materials for Introduction to Computer Science with graphics to fully utilize the Integrated Learning Environment. This activity will be done during my Fall sabbatical.

January 25, 1998

Dean's Comments on Herb Dershem

Herb continues his fine leadership in the Hope community with excellence in teaching, significant professional accomplishments as a scholar, and distinguished service as a chair. Herb is one of the best educators on our campus. His teaching evaluations this past year were "average" for him, which is to say they were exceptional. I have come to expect excellence from Herb and, once again, I have not been disappointed. On the scholarly front Herb has been active in reviewing manuscripts and proposals at the national level, he has served as an external reviewer/consultant for other institutions, he has published two papers, chaired or co-chaired conferences, and written two proposals, one of which (an NSF-REU proposal) was funded. Add to this the leadership role that he plays as chair of his department and it is easy to see why I must argue forcefully that Herb Dershem is among the best, in all areas, that Hope College has to offer. Herb is willing to do whatever it takes for success. He deserves to be rewarded this year in the best way possible through the institutional reward mechanism, and he has earned a well-deserved sabbatical for next year. I will miss having Herb at my side next fall, but I know the refreshment of the sabbatical will energize him and help him as he looks toward the future.

James Smith
1/26/98