

JANUARY 1, 1999 through DECEMBER 31, 1999

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)

Reviewed 3 papers for NECC 2000, 4 papers for SIGCSE 2000 and 4 textbook manuscripts.

Submitted Object Visualizer software to Visualization Resource Center for Computer Science Education, a refereed repository Councilor for Council on Undergraduate Research (CUR)

*Presentations at CCSC Rocky Mountain Conference, Oct in Colorado Springs: "A Java Function Visualizer" with Erin Parker and Rebecca Weinhold
Member, Conference Committee, Midwest Small College Computing Conference, Speakers chair, 1999, Student Papers Chair, 2000, Associate Conference Chair, 2000*

Wrote & submitted prospectus for textbook, Programming Languages: Models and Structures, 3rd Edition. Contract signed.

External reviewer of tenure and promotion candidacy for two outside institutions

Reader, AP Computer Science Exam, Clemson, SC, June, 1999.

Panelist, NSF REU Site panel, December, 1999.

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

None

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 four summer undergraduate research projects and four academic year undergraduate research projects

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

*Chair, Computer Science Department
Department Assignments: Admissions liaison, newsletter edi-
tor, assessment coordinator*

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 classes on Judaism & Christianity and New Testament
at Christ Memorial Church
Pastoral Care Elder, Christ Memorial Church
Member, Adult Discipleship Committee, Christ Memorial Church*

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

The signing of a contract for the Third Edition of the Programming Languages textbook was the most important accomplishment as it defines my professional direction for the next two years.

The consulting work begun with the U.S. Open University is also significant in that it moves me into the field of distance education in Computer Science and defines a role for me in the work of this institution.

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.)

Herbert L. Dershem

Self-Evaluation

1999

I. Teaching

My teaching included two new courses. The most significant one was the First Year Seminar that required a great deal of effort as it is a completely different format than other courses I have taught. The other new course was Artificial Intelligence (CSCI 495) which is outside of my area of expertise and also required a significant amount of effort. The summary below includes the categories of evaluation that I feel are most important.

	Preparation	Enthusiasm	Personal Interest	Overall	N
CSCI 225	3.86	3.96	3.91	3.91	7
CSCI 488	3.95	4.00	4.00	3.90	6
CSCI 495	4.00	2.80	3.67	3.62	6
CSCI 286	3.98	4.00	3.95	3.90	13
CSCI 386	4.00	4.00	4.00	3.90	6
IDS 100	3.96	3.93	3.89	3.84	14
Total	3.96	3.84	3.91	3.85	52

II. Scholarship

Scholarship in 1999 consisted of summer research with students, the acceptance for publication of one paper co-authored with summer research students, submission of one other such paper, preparing a prospectus and signing a contract for a new edition of a textbook, serving on a major conference planning committee, and making presentations, being invited to consult with the newly-formed United States Open University, and serving on an NSF 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. This included more than 30 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 design of a completely new curriculum for the department.

Review of Goals for 1999

1. Begin work on a Third Edition of the Programming Languages textbook.

A prospectus was submitted, a contract has been signed, and I will be working on completing this during my Spring sabbatical and summer.

2. Continue to develop materials in the area of Algorithm and Execution Visualization.

Two papers have been submitted, one has been published and another is under review.

3. Provide leadership for the development of a new curriculum for the Hope College Computer Science Department.

This new curriculum was developed in May through September and approved by the Curriculum Committee in October.

4. Successfully develop and implement a First Year Seminar

My FYS was taught during the Fall. The jury is still out on the "successfully" part.

Goals for 2000

1. Submit a proposal to the NSF-CCLI program for further development and dissemination of my software visualization work.
2. Submit a proposal the NSF-REU for a continuation of the department's program.
3. Complete the writing of the Third Edition of Programming Languages: Structures and Models.
4. Gain experience in distance education by serving as a Faculty Associate for a Computer Science course offered by the United States Open University.

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Date Run : 10/21/99

Instructor: DERSHEM, HERBER

Faculty Load

Term: 998 - 1999 FALL

Department: CSCI

DEPT	COURSE ID	COURSE TITLE	TYP	CREDIT	CLAS SIZE	PCT LOAD	WEEK GROUP	WEEK INDIV	TOTAL CREDITS	TOTAL GROUP	TOTAL INDIV	TOTAL
CSCI	CSCI-286-01	INTRO TO DATA ST	LEC	3.00	24	100%	3.00	0.00	72.00	72.00	0.00	72.00
CSCI	CSCI-386-01	ALGORITHMS	LEC	3.00	14	100%	3.00	0.00	42.00	42.00	0.00	42.00
CSCI	CSCI-480-01	SENIOR PROJECT S	SEM	3.00	12	50%	1.50	0.00	18.00	18.00	0.00	18.00
IDS	IDS-100-16	FIRST-YEAR SEMIN	SEM	2.00	14	100%	4.00	0.00	28.00	56.00	0.00	56.00
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							11.50	0.00	160.00	188.00	0.00	188.00

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Date Run : 08/13/99

Instructor: DERSHEM, HERBER

Faculty Load

Term: 991 - 1999 SPRING

Department: CSCI

DEPT	COURSE ID	COURSE TITLE	TYP	CREDIT	CLAS SIZE	PCT LOAD	WEEK GROUP	WEEK INDIV	TOTAL CREDITS	TOTAL GROUP	TOTAL INDIV	TOTAL
CSCI	CSCI-225-01	SW DESIGN & IMP	LEC	4.00	17	100%	5.00	0.00	68.00	85.00	0.00	85.00
CSCI	CSCI-488-01	THEORETICAL COMP	LEC	3.00	9	100%	3.00	0.00	27.00	27.00	0.00	27.00
CSCI	CSCI-490-01	IND STUDY - RESE	IND	1.00- 3.00	4	100%	0.00	0.00	4.00	0.00	0.00	0.00
CSCI	CSCI-495-02	ARTIFICIAL INTEL	LEC	3.00	13	100%	3.00	0.00	39.00	39.00	0.00	39.00
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							11.00	0.00	138.00	151.00	0.00	151.00

Dean's Summary Evaluation - Herb Dershem

Herb had another excellent year. He is an active CUR Council member, a member of NSF-REU panels and an external reviewer for other programs. His textbook writing prowess is continuing and he continues his leadership role in both pedagogical scholarship and research in computer science. Herb is a superior teacher and a key contributor to the life of the department, the division and the institution in a myriad of ways. All of this comes on top of his excellent job as chairperson and his tireless search to recruit (successfully) faculty and students to his program.

A handwritten signature in cursive script, appearing to read "Jim", is located on the left side of the page.