

JANUARY 1, 1996 through DECEMBER 31, 1996

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

29 Advisees (0 Freshmen)

B. SCHOLARLY AND PROFESSIONAL ACTIVITY

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

Summer research with students Marci Janjecic and Marv Malkowski supported by NSF REU grant and director of the summer REU program

Summer research on Object-Oriented Ada under grant from U.S. Air Force

Invited participant, Indiana Area College Computer Science Curriculum Day

Invited panel leader at Third Annual Consortium for Computing in Small Colleges Mid-western Conference

Delivered paper at First Australasian Conference on Computer Science Education

"Data Structures with Ada Packages, Laboratories, and Animations", Proceedings of the 1st Australasian Conference on Computer Science Education, co-authored with three students

Referee of 9 papers for 3 conferences

Participant in NSF REU panel to evaluate proposals

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

NSF-ILI project funded for \$46,356 with Jipping and Stegink for the construction of a combined classroom/laboratory

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)

Coach of the Hope College Programming Team which participated in the Mid-East Regional Contest at the University of Notre Dame. One team of three competed. Eleven students participated in the tryouts for the team.

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

Department Chair
Department Admissions Liaison
Status Committee
Department Internship Coordinator (Spring Semester)

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

*Councilor for the Council on Undergraduate Research (CUR),
chair of consultants committee for the Math/CS
Division*

*Papers Co-chair for the Fourth Annual Consortium for Com-
puting in Small Colleges Midwestern Conference*

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

Presentation of the paper in Australia was noteworthy for 2 reasons:

*1. I established international contacts and was able to share our
work in an international forum*

2. It was jointly written with three of my students

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

1996

I. Teaching

My teaching included one new course, the inaugural offering of CSCI 160, Scientific Computer Programming with C++ added. The CSCI 480 was also a new approach and team taught with Mike Jipping. The summary below includes the categories of evaluation that I feel are most important.

	Preparation	Enthusiasm	Personal Interest	Overall	N
CSCI 160	3.94	3.988	3.97	3.86	18
CSCI 225	3.98	3.94	3.84	3.91	18
CSCI 488	3.87	3.83	3.76	3.63	12
CSCI 286	3.86	4.00	3.66	3.82	9
CSCI 383	3.80	3.98	3.83	3.63	13
CSCI 480	3.62	3.68	3.82	3.54	13
Total	3.85	3.90	3.85	3.75	83

II. Scholarship

Scholarship in 1996 consisted of summer research with students, the acceptance, publication, and delivery of a paper in Australia, and making presentations and serving on panels related to undergraduate research in computer science.

III. Service

My service was devoted to the duties of department chair and Status Committee. These I feel were done adequately.

Review of Goals for 1996

1. Publish two papers based on DARPA activities and one paper based on Air Force grant activities.

I combined the two papers on DARPA into one, the one published in the proceedings of the Australasian Conference. The Air Force work has been incorporated into the next edition of the Dershem/Jipping textbook rather than appear as a separate paper.

2. Continue planning for Schaum's Interactive project.

I have decided to discontinue my activity on this project and concentrate on the Third Edition of the Dershem/Jipping textbook instead.

3. Recruit new faculty member for department and facilitate her/his successful beginning at the college.

Kevin Denelsbeck has been recruited and will arrive in August, 1997.

Goals for 1997

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

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

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

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

Summary Evaluation for Herb Dershem
96-97

I am once again amazed at Herb's ability to balance a large number of "balls" in the air while sustaining excellence in all that he does. He is a significant leader not only within his department, but within the division and, with his work this past year on the Status Committee, within the institution as well. Herb has remained a productive scholar this past year and he has brought significant attention to his research partnership with students through his presentations of that collaborative work at international meetings. He has conducted a successful search for a new colleague and has continued to serve as a role model for Mike Jipping and Gord Stegink. Herb's leadership and commitment to excellence inspire all of us in the division and I am thankful for his efforts in all regards.

Jim Gentile
Dean