

JANUARY 1, 1994 through DECEMBER 31, 1994

FACULTY SERVICE TO HOPE COLLEGE

[PLEASE TYPEWRITE
OR USE COMPUTER]

NAME Herbert L. Dershem

A. TEACHING AND ADVISING:

1. Courses Taught and Enrollment

| | | | |
|--------------------|--|------------------|---|
| Spring 1994 | <i>At US Air Force Academy:</i> CSCI 110 Intro to Computing (22) CSCI 495 Object-Oriented Programming (23) | Fall 1994 | CSCI 220 Computer Science II (9) CSCI 383 Programming Languages (17) CSCI 480 Senior Project Seminar (4) plus 1/4 release time for DARPA grant |
|--------------------|--|------------------|---|

2. Supplementary Notes

B. SCHOLARLY AND PROFESSIONAL ACTIVITY

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

"Finite State Machine Simulation in an Introductory Lab" with Ryan McFall. Presented at SIGCSE National Symposium in Phoenix, March 10, 1994 and appearing in SIGCSE Bulletin, Vol. 26, No. 1.

Summer Research Project with Darrick Brown and Cheri Bowsler with support from NSF REU grant.

Summer Research on Ada in Data Structures Labs under grant from DARPA.

Publication of Second Edition of Programming Languages: Structures and Models by Dershem and Jipping

Presentation with 2 student at Argonne Undergraduate Research Symposium

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

"Curriculum and Textbook Development Using Ada 9X for the Teaching of Object-Oriented Concepts", contract from US Air Force \$33,934. May, 1995-Aug, 1996.

Proposal submitted to NSF-REU program for \$102,000, approval pending

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 Waterloo, Ontario. Two teams of three each, eight students involved in tryouts for the team.

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

Department Chair
Department Admissions Liaison
Status Committee
Faculty Handbook Revision Committee

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

Elected Councilor for the Council on Undergraduate Research, and served on nominating committee

Developed new course: CSCI 225 - Software Design and Implementation

Chairperson of Holland Area Young Life Committee

- E. WHICH OF YOUR ACCOMPLISHMENTS OR ACTIVITIES OF THE PAST YEAR DO YOU CONSIDER MOST NOTEWORTHY?

I feel that the variety of accomplishments are noteworthy because they included the publication of a book, the publication of a research paper with a student, the presentation of research work with students, the development of an innovative new course, receiving a major research grant, and election to a national office.

- F. CHAIRPERSON'S SUMMARY EVALUATION

UNSATISFACTORY FAIR GOOD SUPERIOR OUTSTANDING

(On this continuum, place the letters TA for Teaching and Advising, SP for Scholarly and Professional Activity, SE for Service, at whatever point you consider appropriate.)

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HOPE COLLEGE
 STUDENT INFORMATION SYSTEM

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FACULTY LOAD

COURSE DETAIL BY HOME DEPARTMENT/INSTRUCTOR

| INSTRUCTOR | NUMBER/NAME | HOME-DEPT | RANK | CREDIT | CLAS PCT | *-CONTACT PER WEEK-* | TOTAL CREDTS | *-TOTAL CONTACT/WEK-* | TOTAL |
|-------------|-----------------|------------------|------|-----------|----------|----------------------|--------------|-----------------------|-------|
| IN SI DEPT | COURSE ID | COURSE TITLE | TYP | SIZE LOAD | GROUP | INDIV | GROUP | INDIV | TOTAL |
| 271-40-8660 | DERSHAM, HERBER | CSCI | 10 | | | | | | |
| HO | CSCI-220-01 | COMPUTER SCIENCE | LEC | 9 | 100% | 3.00 | 27.00 | 0.00 | 27.00 |
| HO | CSCI-383-01 | PROGRAMMING LANG | LEC | 17 | 100% | 3.00 | 51.00 | 0.00 | 51.00 |
| HO | CSCI-480-01 | SENIOR PROJECT S | SEM | 4 | 100% | 3.00 | 12.00 | 0.00 | 12.00 |
| | | | | | | 9.00 | 90.00 | 0.00 | 90.00 |

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January 30, 1995

To: Status Committee
From: Jim Gentile, Dean for the Natural Sciences
Re: Evaluation for Herb Dershem, Chair, Computer Science

It is very good, indeed, to once again have Herb Dershem back as chair of the computer science department. Herb has had a highly successful year. His time spent at the Air Force Academy while on leave allowed him to cull his already strong teaching abilities and develop new approaches to his work. He (along with Mike Jipping) has published this year the second edition of his excellent textbook in computer science, and upon his return to Hope College he wrote and submitted a NSF-REU grant proposal that will provide resources for undergraduate student research for the next three years (Note: I say will because we have recently been notified of the approval of this grant). At the national level Herb was elected as a CUR Council Member, within the department Herb continues to provide strong leadership to a strong department, and for Hope College he has "pitched in" to assume responsibilities as a member of the Status Committee. All in all, a job very well done indeed!

Herbert L. Dershem

Review of Goals for 1993

1. Complete work on the DARPA grant for curriculum development.

Work on this project will be completed in May, 1995. I have, in fact, been awarded a new grant on which I will be working in June, 1995.

2. Complete the Second Edition of Dershem/Jipping.

Completed!

3. Establish a departmental portfolio program.

This has been deferred due to other departmental priorities.

Goals for 1995

1. Publish a paper on the DARPA grant activities.
2. Develop a plan for a new textbook writing project.
3. Successfully develop and implement CSCI 225, Software Design and Implementation.

| Dershem - Fall 1994 | 220 Mean | 220 N | 383 Mean | 383 N | Dept Mean | Dept N |
|------------------------|-------------|----------|-------------|----------|--------------|-----------|
| Preparation | 3.84 | 8 | 3.85 | 16 | 3.29 | 133 |
| Grading System | 3.71 | 8 | 3.59 | 16 | 3.12 | 132 |
| Presentation | 3.73 | 8 | 3.80 | 16 | 2.96 | 131 |
| Class Participation | 3.50 | 8 | 3.72 | 16 | 3.20 | 128 |
| Interest in Students | 3.46 | 8 | 3.94 | 16 | 3.16 | 128 |
| Enthusiasm | 3.96 | 8 | 3.96 | 16 | 3.48 | 132 |
| Grading Fairness | 3.91 | 8 | 3.96 | 16 | 3.31 | 131 |
| Informed on Progress | 3.58 | 8 | 3.72 | 16 | 3.24 | 132 |
| Open to Viewpoints | 3.45 | 6 | 3.55 | 13 | 3.11 | 119 |
| Treated with Respect | 3.93 | 8 | 3.96 | 16 | 3.42 | 130 |
| Helpful Feedback | 3.75 | 8 | 3.96 | 16 | 3.01 | 131 |
| Available out of Class | 3.84 | 8 | 3.79 | 14 | 3.34 | 120 |
| Stimulated Interest | 3.29 | 8 | 3.75 | 16 | 3.01 | 130 |
| Overall | 3.80 | 8 | 3.92 | 16 | 3.01 | 130 |