

January 1, 1992 thru December 31, 1992

Faculty Service to Hope College

Name Herbert L. Dershem

A. TEACHING AND ADVISING

- *Introduced new approach to CSCI 220 in Spring 1992, including new teaching techniques and introduction of discrete mathematics.*
- *Taught CSCI 495, Object-Oriented Programming in the Spring 1992, introducing new material.*
- *Continued development of Business Computing Course.*
- *Introduced completely new course in CSCI 320, Business Information Systems, including database programming.*

B. SCHOLARLY AND PROFESSIONAL ACTIVITY

1. Scholarly Work and/or General Professional Development (including papers presented, publications, performances, exhibitions, and work in progress)
 - *Reviewed two textbooks and four articles*
 - *Presented paper (with Ryan McFall) at Pew Midstates Undergraduate Research Symposium*
 - *Second edition of textbook (with M. Jipping) in progress*
2. Grant Proposals Submitted (if funded, specify amount and date/period of the grant)
 - *NSF REU grant for \$28,850 for summer of 1992*
 - *DARPA grant to support curriculum development for \$23,000 for May 1993 to June 1994*

C. INTERNAL SERVICE

1. Involvement with Students Outside the Classroom, e.g., Directing a Play, Recitals, Coaching, or Sponsor
(List activity and number of students engaged with you in this activity)
 - *Supervision of research of 2 students in summer 1992*
 - *Director of program for summer REU program, 8 students*
2. Administrative Service, Board and Committee and/or Departmental Assignments (List)
 - *Chair, Computer Science Department*
 - *Financial Resources Advisory Committee*

- *Handbook Revision Committee*
- *North Central Self-Study Committee (co-chair for Academic Programs)*
- *Departmental admissions liaison*

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

- *Trustee Scholarship interviewer*
- *Science Day presenter*
- *Session presider, CUR Conference*
- *Presenter at High Achievers Day and two Ann Arbor Receptions sponsored by Admissions*
- *Holland Young Life Committee: Treasurer*
- *Invited to serve as reader for Computer Science Advanced Placement Exam*
- *Appointed Visiting Professor at the United States Air Force Academy*

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

My development and teaching of service courses has been my most noteworthy activity during the past year.

F. HOW WOULD YOU RATE YOUR OWN PERFORMANCE DURING THE PAST YEAR 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)

	SP	SE	TA	
unsatisfactory	fair	good	excellent	exceptional

G. CHAIRPERSON'S SUMMARY EVALUATION

1992
Self-Evaluation
Herbert L. Dershem

Teaching

During the past year I introduced three new courses into the curriculum and continued the development of a fourth. The three new courses, though all under old numbers, were (1) CSCI 220, a new version as designed under my work on the Knight Teaching Fellowship in the summer of 1991; (2) CSCI 495, Object-Oriented Programming, an upper level course taught in this hot area of computer science; and (3) CSCI 320, a redirection to a course for non-majors with an introduction to programming in a database language. I continued development of the business computing course which has been well-received by the students and faculty in the Economics and Business Administration Department. It was approved by the Curriculum Committee in 1992 and is now taught as CSCI 140.

Overall, the student evaluations, using the math form, were consistent with results I have obtained other years, in spite of the fact that five of the seven courses that I taught were service courses for non-majors. The student evaluations are summarized below:

Summary of Fall 1992 Evaluations											
	A	A-	B+	B	B-	C+	C	C-	D+	D	GPA
Preparation	71	21	8	2	1	0	0	0	0	0	3.85
Instruction	65	20	13	4	1	0	2	0	0	0	3.80
Stimulation of Interest	50	27	14	8	3	0	1	0	0	0	3.69
Concern for Students	79	13	10	1	0	0	0	0	0	0	3.88
Overall Evaluation	65	25	13	0	0	0	0	0	0	0	3.84

Most noteworthy here is that 90% of the students gave me an overall rating of A or A-. No student out of 103 rated me lower than B+ in the overall evaluation. It should be noted that 80% (81) of these students were non-majors.

As I have done for the last four years, I led a three-week module in the Senior Project Seminar on Computer Ethics. In this module I lead the students in lively discussion of specific scenarios and require them to write position papers on ethics issues dealing with computer science. As in other years, it was evaluated highly by the students.

Scholarship

My scholarship consisted of research work on the simulation of finite state machines with two students last summer. This activity resulted in a paper presentation by one of the students and I will be on a panel with this student at the SIGCSE national meetings this February.

I also received notification of my DARPA grant, though work on that project will not begin until next summer.

I continued work on the Second Edition of the Dershem/Jipping Programming Language textbook.

Service

In the Spring semester I served on the Handbook Revision Committee and the Financial Resources Advisory Committee. During the Fall, I continued to serve on both of these and also served on the North Central Self-Study Committee.

Advising

The student evaluations of my advising were good. I continued to receive favorable comments from parents regarding my advising and many students seek me out as an advisor, both officially and unofficially.

Chairmanship

I continued to place my major emphasis on the development of the two junior faculty in our department. I worked closely with Shirley Browne both semester, sitting in over every meeting of her network class during the fall semester and closely monitoring her teaching in the CSCI 220 course that I recently designed, both to assist her in improving her teaching and gaining insights from her on the course itself.

I constructed the course proposal for the Business Computing course after teaching it and submitted it for approval to the Curriculum Committee. I also led the department in the construction of our mission statement and plans for the upcoming departmental review.

Review of Goals for 1992

1. Initiate course offerings in computer science that will serve to satisfy the college core requirements. *I am still awaiting final disposition of the Natural Science Core recommendations to implement this goal.*
2. Complete the Second Edition of Dershem/Jipping.
This is about half done. I spent considerable time last summer on this project, but a change of publisher prevented completion on schedule.
3. *Establish procedures for successfully recruiting students into the computer science program.*
I feel great progress has been made here. We have the best freshman class in years and have instituted a Freshman/Sophomore Seminar to retain these talented students as computer scientists and involve them in summer research.

Goals for 1993

1. Complete the work on the DARPA grant for curriculum development.
2. Complete the Second Edition of Dershem/Jipping.
3. Establish a departmental portfolio program.