

FACULTY SERVICE TO HOPE COLLEGE

[PLEASE TYPEWRITE]

Name Herbert L. Dershem

A. SCHEDULED TEACHING - Courses (see notes below)

|            | Dept. & No. | Credit Hours | Course Description           | Formal Contact Hours Per Week |   | Other Contact | Enrollment |
|------------|-------------|--------------|------------------------------|-------------------------------|---|---------------|------------|
|            | CSCI 286    | 3            | Intro to Data Structures     | 3                             | 3 | 0             | 21         |
|            | ✓CSCI 495   | 3            | Object-oriented programming  | 3                             | 3 | 0             | 11         |
|            | ✓CSCI 495   | 3            | Theoretical Computer Science | 3                             | 3 | 0             | 9          |
| SPRING SEM | CSCI 700    | 3            | Computers in Education       | 3                             | 1 | 0             | 2          |

MAY  
JUNE  
TERMS

|     |          |   |                              |   |   |   |    |
|-----|----------|---|------------------------------|---|---|---|----|
| SUM | CSCI 110 | 3 | Computer Information Systems | 3 | 3 | 0 | 27 |
| SES | CSCI 120 | 3 | Intro to Computer Science    | 3 | 3 | 0 | 15 |

|      |          |   |                           |   |   |   |    |
|------|----------|---|---------------------------|---|---|---|----|
|      | CSCI 120 | 3 | Intro to Computer Science | 3 | 3 | 0 | 25 |
| FALL | CSCI 120 | 3 | Intro to Computer Science | 3 | 3 | 0 | 22 |
| SEM  | CSCI 386 | 3 | Algorithms                | 3 | 3 | 0 | 13 |

- Notes: 1. For team-taught courses, please place an asterisk (\*) before the course description and list other members of the team immediately under the course description.  
 2. If this is the first time you have taught a listed course, please place a check (✓) before the course description.  
 3. Clearly designate separate sections of the same course.

B. ACADEMIC ADVISING

|                          |           |
|--------------------------|-----------|
| Total number of advisees | <u>22</u> |
| Majors                   | <u>7</u>  |
| Fresh./Soph.             | <u>15</u> |

**C. SCHOLARLY ACTIVITY (List)**

1. Scholarly Work Supported by Outside Funding (List both project description and source of funding)

None

2. Other Scholarly Work and/or General Professional Development

Reviewed 2 papers for SIGCSE Symposium  
 Reviewed 3 papers for National Educational Computing Conference  
 Reviewed 3 papers for World Computer Congress  
 Completed work on textbook, *Programming Languages: Models and Structures*

**D. INTERNAL SERVICE**

|   | Check (✓)<br><u>Activity</u> | <u>Total Number<br/>of Students</u> | <u>Number<br/>of Students<br/>Enrolled<br/>For Credit</u> |
|---|------------------------------|-------------------------------------|---|
| 1. <u>Student Oriented</u>                                      |                              |                                     |   |
| Supervision of independent study<br>or research                 | _____                        | _____                               | _____   |
| Directing a play  | _____                        | _____                               | _____   |
| Recitals  | _____                        | _____                               | _____   |
| Coaching  | _____                        | _____                               | _____   |
| Other (describe)  | _____                        | _____                               | _____   |
| 2. <u>Administrative (List)</u>                                 |                              |                                     |   |
| Chair, Computer Science Department                              |                              |                                     |   |
| Coordinator, Woodrow Wilson Visiting Fellow Program (half year) |                              |                                     |   |
| 3. <u>Board and Committee Assignments (List)</u>                |                              |                                     |   |
| Chair, Professional Interests Committee                         |                              |                                     |   |
| Member, <i>Hope in the Future</i> Strategic Planning Task Force |                              |                                     |   |
| Member, Selection Committee for Director of Computer Services   |                              |                                     |   |
| 4. <u>Departmental Assignments (List)</u>                       |                              |                                     |   |
| Admissions liaison  |                              |                                     |   |

E. PUBLIC SERVICE/CONSULTING (List)

None

F. OTHER (course and curricular development, lectureships, seminars, presentations to high school students, etc.)

Presentation at Hope College Science Day  
Presenter at High Achievers Day sponsored by the Admissions Office  
Zion Lutheran Church - Stephen Ministry Leader  
Zion Lutheran Church - Marriage Enrichment Leader  
Member, Holland Young Life Committee  
Member, Holland High School Parents Athletic Club

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Signature: Herbert L. Decker

Date: January 12, 1990

[Please, black ink only]

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1988<sup>9</sup>  
Self-Evaluation  
Herbert L. Dershem

### Teaching

My teaching has continued to be strong. I was happy to get an opportunity to teach at the beginning level again for the first time in many years. I was successful in stimulating student interest in taking further computer science course work.

A summary of my Math Form student evaluations is given in the table below:

Summary of 1989 Evaluations

|                         | A  | A- | B+ | B  | B- | C+ | C | C- | D+ | GPA  |
|-------------------------|----|----|----|----|----|----|---|----|----|------|
| Preparation             | 74 | 15 | 10 | 1  | 1  | 0  | 0 | 0  | 0  | 3.86 |
| Instruction             | 82 | 19 | 9  | 4  | 2  | 0  | 1 | 0  | 0  | 3.82 |
| Stimulation of Interest | 60 | 21 | 17 | 14 | 2  | 0  | 2 | 0  | 1  | 3.65 |
| Concern for Students    | 90 | 18 | 5  | 2  | 0  | 2  | 0 | 0  | 0  | 3.88 |
| Overall Evaluation      | 82 | 24 | 6  | 2  | 1  | 1  | 0 | 0  | 0  | 3.86 |

I taught two courses for the first time this year: Object-Oriented Programming and Theoretical Computer Science. The first of these explored an exciting new area of Computer Science. The second was a prototype of the new required course which has now been approved as CSCI 488.

### Scholarship

In this area my major work this year was in the writing of the textbook *Programming Languages: Structures and Models*. This book is now at the printer and will be out by late February, 1990.

### Service

I served as chair of the Professional Interests Committee this past year.

### Advising

I had a rather standard advising load this year. I had several particularly troublesome situations that required considerable interaction with advisee and advisee's parents. I feel good about my activities here. Advising evaluations were generally positive.

### Chairmanship

My only extraordinary duty as chair this year was recruiting for a one-year position to replace Shirley Browne prior to the time she will be available to join our faculty.

### **Review of Goals for 1989**

1. **Complete Programming Languages textbook:** The textbook has now been completed.
2. **Continue strengthening the research program of the department through the acquisition of funding and the greater involvement of students:** This has been accomplished through the funding of the ILI proposal and through the greater involvement in research as measured by four Sigma Xi awards.
3. **Work on research topics in programming languages, computational geometry, and computer science education:** Because I spent the entire year on the textbook, I did not begin on this goal.
4. **Successfully recruit and assimilate a new faculty member into the department:** This has been delayed because the new faculty member has not yet arrived.

### **Goals for 1990**

1. Begin a research program in the area of probabilistic algorithms.
2. Assimilate a new faculty member into the department.

## EVALUATION

Dr. Herbert L. Dershem  
Computer Science  
February 7, 1990

### Teaching

Herb is an excellent teacher. His student evaluations are consistently high in all categories. Herb works very hard at teaching and this work pays off in a major way. This past year he taught two new courses which were well-received by the students and should make a significant impact on the curriculum in computer science. Overall, I rate his teaching from this past year as exceptional.

### Scholarship

Herb has focused his energies these past several years on the writing of a textbook for advanced students in computer science. The book, Programming Languages: Structures and Models, is now complete and will be out in late February, 1990. This is a major accomplishment and should be recognized as such. I rate his scholarly efforts as excellent.

### Service

As chairperson of the PIC, Herb has made a significant service contribution to the college this past year. This committee meets often and handles many issues of considerable interest to the faculty. From my view, Herb has done a very good job in this regard. A second component of service for Herb is his work as chairperson of the computer science department. His colleagues have offered glowing reviews of his work in this regard and I agree with their comments that he is an excellent chairperson. He has a vision as to where the department needs to go and he is willing to work with faculty so that they can collectively achieve that vision. He has worked hard in the recruiting wars and had a successful recruiting year with the addition of Shirley Browne (tenure track) and Lorin Neufeld (term appointment). Overall I rate his service contribution as excellent to exceptional.

### Advising

Herb is an excellent advisor, as evidenced by comments made by his students. He shows genuine concern for the welfare of his students and handles difficult situations quite well. His advising is excellent.

### Summary Evaluation

|      |      |      |           | A Sc      | Se | T           |
|------|------|------|-----------|-----------|----|-------------|
| Poor | Fair | Good | Very Good | Excellent |    | Exceptional |

James M. Gentile, Ph.D.  
Dean for the Natural Sciences

