Name Herbert L. Dershem

A. SCHEDULED TEACHING - Courses (see notes below)

	Dept. & No.	Credit Hours	Course Description	Formal Contact Hours	Other Contact	Enrollment
SPRING SEMESTER / MAY & JUNE TERMS / January – June, 1979	*CS 100	2	Comp. Sci for Lib. Arts	2	0	29
	*CS 120	3	Intro. Comp. Sci (120 and 100 team taught with J. Whittle and H. Leland)	4	0	74
	CS 282	3	Comp. & Prog. Org.	3	1	35
	*CS 495√	3	Hardware & Software Systems (taught with H. Leland)	3	0	14
	Math 212	1	Intro. Stat Lab	2	0	16
	CS 495	3	Artificial Intelligence	3	0	8
FALL SEMESTER / SUMMER SESSION / July – December, 1979	√*CS 495	1	Instruction Comp. (Taught with J. Whittle)	1	0	45
	Math 212	1	Lab for Intro Stat	2	0	9
	*CS 100	2	Comp. Sci for Lib. Arts	2	0	31
	*CS 120	3	Intro to Comp. Sci.	4	0	84
	CS 383	3	Programming Languages (CS 100 and 120 team taught with J. Whittle and H. Leland)	3	0	38

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.

B. ACADEMIC ADVISING

Total Number of Advisees ___21___

Majors ___17___

Fresh./Soph. ___4___

C. SCHOLARLY ACTIVITY (List)

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

NSF Modular Course development funded by NSF.
CONDUIT Series Editor supported by CONDUIT
NSF CAUSE panelist supported by NSF.
New Hampshire Workshop presenter, sponsored by UNH Statistics Teaching Project, funded by NSF.

2. Other Scholarly Work and/or General Professional Development

Attended National Educational Computer Conference, Iowa City, Iowa and Symposium of the Special Interest Group on Computer Science Education, Dayton, OH.
Review for Computing Reviews
Referee for Mathematics Magazine.
Pbulications - see attached sheet.

D. INTERNAL SERVICE

1. Student Oriented

	Check (✓) Activity	Total Number of Students	Number of Students Enrolled For Credit
Supervision of independent study or research	X	9	9
Directing a play	—	—	—
Recitals		—	—
Coaching	X	4	0

Other (describe):

2. Administrative   (List)

Chairman of Computer Science Department

3. Board and Committee Assignments (List)

Member of Computer Selection Committee
Chairman, Computer Study Committee
Chairman, Software Subcommittee of Computer Selection Committee

4. Departmental Assignments (List)

Advisor to ACM Student Chapter
Coach of Programming Team

E. PUBLIC SERVICE/CONSULTING (List)
TRS-80 User's Club Organizer
Consultant to: Worden Company
              Defiance College
              United Motor Sales, Inc.
              Ottawa Savings and Loan Association
              West Ottawa Schools
              Ottawa Intermediate School District
              Grand Rapids Christian Schools
              Trans-Matic Manufacturing Co.

F. OTHER (course and curricular development, lectureships, seminars, presentations
        to high school students, etc.)
    Inservice presentations for Maplewood Christian, Holland Christian Schools,
        Holland Public Schools.
    Presentations for Elementary Science Night, Elementary classes at Longfellow
        and Maplewood schools, parents at Maplewood School, Hope College Presidential
        Scholars, Computer Faire in Grand Rapids, and Christian Educator's Conference
        in Chicago.
    Conducted classes for Quest and Gateway, both programs for gifted children in
        Holland Public Schools.

Publications, 1979

Herbert L. Dershem

Published in 1979

"Computer Exercises for Elementary Statistics," COMPRESS, Inc., Wentworth, NH.

"A Survey of Computing in Private Liberal Arts Colleges," The Journal of Data Education, 19, 2(Jan., 1979), pp. 7-10.

"Recursive Programming in BASIC", Personal Computing, 3, 4(April, 1979), pp. 16-18.

"A General Game Playing Program," Personal Computing, 3, 6(June, 1979), pp. 70-75.

"Tower of Hanoi", Recreational Computing, 8, 3(Nov-Dec, 1979), pp. 34-35.

Written in 1979

"Computers in Teaching Mathematics and Statistics: A State of the Art Report", with D. Smith, published by CONDUIT, to appear.

"Dirichlet Regions" submitted to Pi Mu Epsilon Journal, not accepted for review.

"Using Computer Games to Challenge Elementary School Students," with J. Whittle, submitted to National Educational Computer Conference and rejected; submitted to Computing Teacher.

"Recursive Programming in BASIC", to appear in Digital Design.

"A Computer Workshop for Elementary and Secondary Teachers" with J. Whittle, submitted to 1980 National Educational Computer Conference.

"A Modular Introductory Computer Science Course", submittle to SIGCSE Conference and rejected.

"Computer Problem Solving," a module for computer science instruction, submitted to UMAP.

"Iteration and Computer Problem Solving," a module for computer science instruction, submitted to UMAP.

"Computer Laboratory Manual for Introductory Statistics," plus software, accepted for publication and distribution by CONDUIT.

M E M O

DATE: March 5, 1980

TO: David Marker and the Status Committee

FROM: Sheldon Wettack

SUBJECT: 1979 Evaluation of Herb Dershem

During 1979 Herb Dershem has continued to progress in the manner to
which we have become accustomed over the last several years. I will highlight
that progress for you in the following paragraphs.

TEACHING EFFECTIVENESS

During the last year we made an administrative change in the chairmanship
of mathematics and computer science and Elliot Tanis took over the detailed
administrative responsibilities for both departments. A main idea behind
this move was to give Herb more time to spend with matters relating to the
teaching program in computer science. He has done exactly this during the
fall semester and feels quite good about the results. He pointed out to me
that student evaluations of his teaching were higher than ever before.
Since his evaluations have always been high, I feel extremely comfortable
with stating that Herb is clearly one of the better teachers on campus.

SCHOLARLY ACTIVITY

Although Herb has a tendency to believe that 1979 was not as successful
a year for him in the area of scholarly activity as it was in the area of
teaching, I have a strong tendency to disagree with him. His reason for
such a conclusion is that he had several specific papers in mind as goals
at the start of the 1979 year. However, only one of those papers was
written during 1979 and it was rejected. At the same time, however, he did
write six other papers on other topics. Of those six, four papers were
published and a book was also published during the year. Two other papers
will be published during 1980, and several others have been submitted for
publication as can be seen from his Faculty Service to Hope College form.
I believe the net conclusion one can draw from this activity is that Herb
was certainly not inactive during 1979.

In the area of scholarship he was also involved in a significantly new
endeavor for the College which I believe merits special mention. He has
not pointed it out on his Faculty Service to Hope College form, but he was
intimately involved in the preparation of the proposal to NSF which has

allowed us to establish a computer science laboratory at the College. The proposal was actually written by Elliot Tanis but Herb's involvement in the development of the proposal was extremely valuable. As I have indicated on Elliot's evaluation form, I believe that the contributions which this laboratory will make over the next several years will be very substantial.

In addition to this grant activity Herb completed his work on an NSF-LOCI grant which has allowed Hope to establish the modular approach to the beginning computer science course. This course is an extreme improvement over what had been done previously at the College and Herb is to be commended for the work involved.

SERVICE

Herb's service during the past year has included providing a great deal of computer science expertise to many local groups and organizations and to the College campus. He continues to be drawn upon as a person with knowledge to spare in the area of microcomputers and we are extremely fortunate to have him at the college for that reason. The workshops which he has conducted for area teachers are a model of how the college can serve clientele other than its normal full-time students.

SUMMARY

In summary it is clear in my mind that Herb Dershem has had a very fine year at Hope College in all three areas of evaluation and, for this reason, I am recommending a substantial merit increase for him.

SW/kva:DD2F

Self Evaluation and Goals

1979

Herbert L. Dershem

I believe that my teaching has improved over the last year because, with relief from chairman's duties, I have had more time to devote to classroom work. I have been involved in the planning and development of two new courses and been able to work on the improvement of existing ones. Student evaluations of my teaching has been higher than ever before.

In scholarship, my year was not as successful. Of the five papers that I proposed to write in my goals of last year, only one was written, and that one was rejected. However, I did write six papers, although the topics were not those I proposed a year ago. In addition, four papters and one book of mine were published in 1979. I produced two modules for introductory computer science and a lab manual/software package for statistics which are currently being considered for publication.

Service to the community has taken the form of working with local school systems on the use of computers, giving presentations to local groups, and consulting with various local businesses. In addition, I have taken the leadership in the formation of a local computer users group which now contains over fifty members from the local community. Service to the college has been in work on the selection of a new computer system.

Goals for 1980

1. I will study the use of microcomputers in small business and begin consulting work in this area.
2. I will publish papers on my current areas of interest and research.
3. I will convert and adapt all aspects of the computer science program to the new Hope College computer system.
4. I will develop a new introductory statistics laboratory using the micro-computers.
5. I will seek funding for a program to increase use of computers in elementary and secondary schools.