



WATERLOO UNIVERSITY COLLEGE

New Program in
Geography & Planning



BACKGROUND OF WATERLOO UNIVERSITY COLLEGE

Waterloo University College is a liberal arts college dedicated to the development of the mind and character of the individual student. Under the name of Waterloo College, it became affiliated with the University of Western Ontario in 1925. Five years later Waterloo College was granted the right to offer courses leading to the Honors B. A. degree. In this association with a provincial university, Waterloo College experienced a steady increase in enrolment and expansion in curriculum. More than 1,000 students have completed the requirements for the Bachelor's degree at Waterloo during these thirty-five years.

By mutual agreement, the affiliation with the University of Western Ontario was terminated on June 30, 1960. By an Act of the Ontario Legislature, Waterloo University College now is an independent degree granting institution. It is associated with Waterloo Lutheran Seminary under the corporate body, Waterloo Lutheran University.



Dean L. H. Schaus, Member of
Waterloo Planning Board.



Dr. Ralph Krueger discusses problem of urban sprawl in the Niagara Fruit Belt.



**WATERLOO
UNIVERSITY
COLLEGE
GIVES HONORS B.A.
IN GEOGRAPHY
AND PLANNING**

This is a liberal arts program concentrating on those subjects which are basic requirements for a career in urban, regional, and resource planning. In all subjects, students will be encouraged to choose research paper topics which are related to Planning.

Since the first year is similar to that of the other Arts courses in the College, the program will start with the second year in September, 1961. Faculty with various planning specialties will be added as the Geography and Planning program develops.

Students graduating from this program will be able to go directly into planning jobs or do graduate work in Geography, Planning, or Teacher Training. This course will also provide excellent training for those wishing to obtain research jobs with government, industry and business, as well as for those wishing to do basic land-use research in underdeveloped areas of the world.

In the initial stages, only a limited number of students will be admitted to the program. If a large number of students apply, applicants with the highest academic standing will be given preference.



Professor Aubrey Diem indicates land-use problems in Sicily.

HONORS GEOGRAPHY AND PLANNING PROGRAM

FIRST YEAR

ENGLISH 20—General Literature and Composition
FRENCH 20 or another language 20—Grammar, Literature, Oral Practice
GEOGRAPHY 20—Elements of Geography
ECONOMICS 20—Introduction to Economics
One of: HISTORY 20—Mediaeval, Renaissance and Reformation History
PHILOSOPHY 20—Philosophy and Human Problems
One of: POLITICS 20—Introduction to Government and Politics
SOCIOLOGY 20—Introduction to Sociology

SECOND YEAR

For admission to the Second Year 60% is required in Geography 20, and an average of 60% in all other subjects.
GEOGRAPHY 239—Economic Geography
GEOGRAPHY 332—Population, Urban, and Land-use Geography
ECONOMICS 355—Statistical Methods and their Application.
GEOLOGY 20—Introductory Geology
Two of: POLITICS 20 (if not taken in the first year)
SOCIOLOGY 20 (if not taken in the first year)
HISTORY 31—History of Canada
PHILOSOPHY 31—Logic and Problems of Knowledge
SOCIOLOGY 38—Sociology of Urban and Rural Scene of Canada
POLITICS 42—Federal, Provincial and Municipal Government
A SENIOR ENGLISH

THIRD YEAR

For admission to the Third Year an average of 66% is required in all Second Year Geography subjects as well as a 60% average in all other subjects.
GEOGRAPHY 330—Advanced Physical Geography
GEOGRAPHY 443—Field Research Methods
One of: GEOGRAPHY 336—World Regional Geography
GEOGRAPHY 440—World Political Geography
or One of the options listed in Second Year
ECONOMICS 38—Land Economics
PLANNING 332—Planning Legislation and Administration.
One course from the Humanities, or Social Science, or Science

FOURTH YEAR

For admission to the Fourth Year an average of 66% is required in the Third Year Geography and Planning subjects and an average of 60% in all other subjects.
GEOGRAPHY 441—Cartography
GEOGRAPHY 445—Geography of Canada
GEOGRAPHY 450—Senior Research and Report
(B.A. Thesis on topic related to Planning)
PLANNING 441—Landscape and Architectural Design
PLANNING 443—Urban, Regional, and Resource Planning
ONE SCIENTIFIC LANGUAGE: French 45, German 45, Russian 45, Spanish 45.

NEW PROGRAM TO FILL DEMAND FOR PLANNERS

Waterloo University College is first to initiate undergraduate planning program from liberal arts point of view.

In recent years there has been an increasing demand for city, regional and resource planners. As Canada's population increases, this demand will become much greater. This is particularly true in Southern Ontario where one-third of Canada's population is concentrated and where cities are sprawling over the richest farmlands in the country. Just this year, Norman Pearson, a well-known Canadian planner who received his training in England asked, the Canadian Association of Geographers, "When is some Canadian university going to give an undergraduate course in planning to help supply the tremendous demand for planners in this country?"

In the past, many geographers have taken planning positions. They have been able to make significant contributions in this field because of their broad training which integrates the knowledge of both the social sciences and natural sciences in order to understand the problems of man in his regional, cultural and physical environment. However, since most geographers have been trained specifically for teaching, they have often lacked the specialized training required by a planner.

Since many geographers become professional planners, or as teachers become involved in planning projects, it is felt that the honors program in Geography and Planning will be extremely valuable. It is not a technical course, but an honors program in Geography, with options from the humanities, sciences, and social sciences which contribute to the broad background required by people confronted with the complex problems of land-use planning. The three planning courses provide an introduction to some of the specialized knowledge required by planners. Development of these technical aspects of planning will be provided by experience or graduate training in planning.

Last year nine leading graduate schools of planning in the United States were asked to specify the subjects which they would prefer students to have before entering their graduate program. The subjects were then rated according to graduate school preferences. The proposed Geography and Planning Program provides opportunity for training in all of the subjects falling in the highest preference category.

The Harvard School of Graduate Design emphasizes the need for a broad academic background for people wishing to go into planning: "The professional curricula of the School of Design are predicated on a firm belief that mere technical training, however excellent, is not likely to lead to the most significant and satisfying achievements in architecture, in landscape architecture, or in city and regional planning. As these arts and sciences are addressed to the service of society, they require of their practitioners a broad basis of human understanding, a wide range of cultural interests and a balanced fitness for responsible action as citizens in the world of today and the future."

William Biggs, a Kitchener planner with a graduate degree from Harvard, has commented on the proposed program as follows: "I would thoroughly agree that a very broad course of study in the liberal arts is a most suitable basis and background for the training of a planner. I feel that there is a very definite need for such a basic course in this province."

LOCAL NEWSPAPER AND PLANNING BOARD CONGRATULATE COLLEGE ON PLANNING PROGRAM

The following editorial appeared in the March 15 edition of the *Kitchener-Waterloo Record*:

"Boost to Planning

Waterloo College is to be congratulated for its decision to institute a course in geography and planning.

The Planning field is bound to grow in importance, as more Canadians become aware of the need for intelligent long-term planning of their communities. It is, as one planner has said, surprising that no course for those interested in planning has been available previously in Canada.

More than mere technical courses are needed, as Dr. Ralph R. Krueger, chairman of the college geography department notes. Options from the humanities and social sciences should help develop the type of mind needed in this vital field."

The secretary of the Kitchener Planning Board sent Dean L. H. Schaus a letter which contained the following message:

At its meeting on March 22, 1961, the Kitchener Planning Board discussed the intention of Waterloo University College to institute an Honors Geography and Planning Program. The Board Members were greatly impressed with the University's proposal and the following motion was passed:

"That this Board commend Dr. Krueger and the Waterloo University College for their foresight and wisdom in realizing that there is an urgent need for professionally trained personnel in the field of town planning."

Dr. N. L. Nicholson, of the Geographical Branch, Ottawa, conducts a seminar during a visit to Waterloo University College.



Planner Norman Pearson of Burlington, Ontario asks Canadian universities to supply trained planners.



Kitchener planners Bruce Wilson and Jack Halliwell look at Official Plan for Arterial Roads.



Planning consultants William Biggs and Howard Smith study model of new subdivision.



WATERLOO UNIVERSITY COLLEGE IDEALLY SITUATED FOR GEOGRAPHY AND PLANNING

Waterloo has an ideal location for instituting a program in planning. It is within the shadow of the Golden Horseshoe, that urban complex around the western end of Lake Ontario. It is only one hour's distance from Hamilton, the steel centre of Canada, and one-and-a-half hour's distance from downtown Toronto.

Waterloo is the smaller partner of the Twin-City area known as Kitchener-Waterloo. On a small scale, Kitchener-Waterloo (population about 100,000) has the same problems which face every large urban area which is divided by archaic political boundaries. At present there is a Kitchener Planning Board, a Waterloo Planning Board, a Waterloo Township Planning Board, and a K-W and Suburban Planning Board. To add further to the complexity, Kitchener, Preston and Galt have almost grown into one another and Guelph is close enough to permit people to commute daily to and from that city.

A number of planning projects are under way in the area. A housing and redevelopment study of Kitchener is being considered. With the co-operation of the Ontario Department of Municipal Affairs, the K-W and Suburban Planning Board is initiating a basic planning study of the whole Waterloo Country area. Waterloo University College has been asked to participate in this study. The Province has recently announced the formation of a planning committee which proposes to draw up a master plan for the development of the whole of Southern Ontario.

Since Waterloo University College is in the heart of all this planning activity, it hopes to make Waterloo County and its surrounding region the out-of-doors laboratory for students in the Geography and Planning program.



WATERLOO UNIVERSITY COLLEGE GEOGRAPHY STUDENTS WIN HONORS

The new Geography and Planning program is in addition to the straight Honors Geography degree now given by the College. Two of the first students to graduate in Geography are going on to graduate school. Robert Murdie has been awarded a Woodrow Wilson Fellowship and has been accepted by the University of Chicago Graduate School. Alfred Spriceniaks has accepted a \$1900 assistantship to do graduate work at Wayne State University, Detroit.

Students have formed a Geography Club, which has been responsible for bringing many outstanding speakers and interesting films to the College. The Geography Club also sponsors field trips throughout the academic year.

A highlight of the Geography program is the research field methods camp held each fall in co-operation with the Department of Geography, University of Western Ontario. Each year the camp is held in a different area of the Great Lakes region.



Robert Murdie, Woodrow Wilson Fellowship winner, enters University of Chicago Graduate School.



Alfred Spriceniaks accepts assistantship to study at Wayne State University.



Bruce Loker works at a statistical problem.



Douglas Davison works at cartography exercise.

FACULTY WITH PARTICULAR INTERESTS IN PLANNING



Ralph R. Krueger, B.A., M.A. (Western Ontario), Ph.D. (Indiana). Associate Professor and Chairman of Geography. Author of *Changing Land-Use Patterns in the Niagara Fruit Belt*; research on urban blight; land tax study in urban fringe; inventory of agricultural resources for Canadian Government; land-use study for Ontario Government; consulting work for municipalities; member of Kitchener Planning Board.

Aubrey Diem, B.A. (Wayne State), M.A. (Clark), Ph.D. (Michigan). Assistant Professor of Geography.

Land-use research in underdeveloped countries; intensive study of land reform and reclamation in Sicily; regional studies in Europe; cartography.



Herman O. J. Overgaard, B.A. (Manitoba), M.S., Ph.D. (Columbia). Professor and Chairman of Economics and Business Administration.

Research on water resources of Southwestern Ontario; Secretary of Water Resources Committee of Southwestern Ontario; economic aspects of regional planning.

Rudolph Pinola, B.A. (Minnesota), M.S., Ph.D. (Wisconsin). Assistant Professor of Economics.

Research on real estate tax problems; economics and statistics as they apply to land-use problems; working on manuscript of book on problems and issues of social measures such as public housing and urban renewal.



Karl Aun, LL.B. (Tartu), M.A. (Chicago), J.D. (Hamburg). Assistant Professor of Political Science.

Study of advisory boards and functional agencies at various levels of government in different parts of the world, e.g., Economic Council in France, advisory boards in the United Kingdom, planning boards in the United States.

George Durst, B.A., B.D. (Western Ontario), M.A. (Toronto). Associate Professor of Canadian Studies.

Study of Canadian problems from historical, geographical, political, sociological, and economic points of view.





David K. Erb, B.Sc. (Western Ontario), M.A. (Toronto), Ph.D. (completing at McGill). Assistant Professor of Geography.

Research in physical geography as it applies to the use of resources; study of pleistocene deposits for Geological Survey of Canada; study of groundwater resources for Ontario Government; geological studies for several petroleum companies; participation in Colombo Plan aerial survey of resources in Ceylon, and other surveys in various countries for Hunting Survey Corporation.

E. Roy Officer, B.A. (U.B.C.), M.A. (Wisconsin), Ph.D. (completing at Wisconsin). Assistant Professor of Geography. Economic geography studies as a basis for provincial and national planning policy; demography and population geography; intensive study of the agricultural geography of New Brunswick.



ADMISSION REQUIREMENTS

The admission requirements for the First Year of the program are the satisfactory completion of nine Grade XIII Ontario High School papers (or the equivalent). Preference will be given to applicants with the highest standing.

The Grade XIII papers must include:

1. English (two papers)
2. A Second Language (two papers)
3. Latin, or Mathematics, or Science (two papers)
4. Three other papers (Geography and History recommended; a single Science or Mathematics paper is accepted).

The General Certificate of Education of England and Wales is accepted in lieu of Grade XIII work, if it shows standing in either five or six subjects, with at least two subjects at the advanced level. Students from the United States with High School Graduation Diplomas, should apply for admission to the Preliminary Year (equivalent to Grade XIII).

For application forms for admission, residence, bursaries and scholarships, write to:

Dean L. H. Schaus,
Waterloo University College,
Waterloo, Ontario, Canada.

WATERLOO UNIVERSITY COLLEGE
OFFERS MANY OTHER COURSES. READERS OF THIS
BROCHURE ARE INVITED TO ASK ABOUT...

HONORS B.A. PROGRAMS

Business Administration
Business Administration and Secretarial Science
Classics (Greek and Latin)
Economics and Political Science
English Language and Literature
English and French
English and German
English and History
English and Latin
English and Philosophy
French and German
French and Latin
French and Spanish
Geography
Geography and Planning
History
History and Philosophy
Philosophy
Philosophy and Psychology
Philosophy and Sociology
Psychology

GENERAL B.A. PROGRAMS

General Program with Major and Minor Options
General Program with Pre-theological Options
General Program with Secretarial Science Options