3.6 Postgraduate Degrees Conferred (1989):

Boonperm Nakdum was conferred the degree of Master of Surveying Science. His project, for partial fulfilment of the degree, was titled "Applications of Analytical Photogrammetry to Cadastral Surveying and Mapping in Thailand". Boonperm has since returned to the Department of Lands, Thailand.

Geoffrey Lawford was conferred the degree of Master of Surveying Science. His project, for partial fulfilment of the degree, was titled "The Problems of Integrating Remotely Sensed Data with GIS".

Andrew Marshall was conferred the degree of Master of Surveying Science. His project, for partial fulfilment of the degree, was titled "Network Design and Optimisation in Close Range Photogrammetry". Andrew now works for the Survey Branch, BHP Engineering, Wollongong.

Bertrand Merminod was conferred the degree of Master of Surveying, for his project titled "The Use of Kalman Filters in GPS Navigation". Bertrand has since taken an appointment with the Swiss Development Agency in Lesotho, Southern Africa.

Timothy Mollison was conferred the degree of Master of Surveying Science. His project, for partial fulfilment of the degree, was titled "Geographic Data Transfer".

Wattana Jaroondhampinij was conferred the degree of Master of Surveying Science. His project, for partial fulfilment of the degree, was titled "A Model of Computerized Parcel-Based Land Information System for the Department of Lands, Thailand". Wattana has since returned to the Department of Lands, Thailand.

3.7 Introduction of the New Bachelor of Surveying Course:

The School of Surveying commenced the first two years of the new Bachelor of Surveying course in 1989. The course has been significantly modified to allow inclusion of more computing and programming components, a new approach to the skills acquisition and training aspects of the course, and a greater emphasis on private study and self-education. The accompanying diagram shows the structure of the new course.

Almost half of the first year is devoted to providing a strong mathematics and physics foundation. The rest is taken up with the study of the principles of surveying, engineering, geodetic science, and computing. The new first year subjects developed for the course were:

- 29.1711 Introduction to Surveying
- 29.2041 Survey Data Presentation
- 29.2221 Introduction to Geodetic Science
- 29.1111 Introduction to Computing
- 29.2111 Principles of Computer Processing
The second year continues these studies and introduces detailed aspects of surveying, computations, statistics, and project management. The new second year subjects developed for the course were:

29.3011  Surveying Instruments
29.4011  Surveying Techniques
29.3231  Geodetic Computations
29.4221  Geodetic Positioning 1 (Classical Techniques)
29.3111  Survey Computations
29.4111  Data Analysis & Computing 1
29.4721  Project Management 1

The third year of the course will be introduced in 1990, and while it continues the topics of surveying, computing, geodesy and project management, new subjects in photogrammetry, mapping and land studies are added.