Course Syllabus

1. **Name of Curriculum**
   Bachelor of Science (Food Science & Technology), Mahidol University International College

2. **Course Code:** ICFS 492 **Course Title:** Research Project in Food Science and Technology

3. **Number of Credits:** 6 (Lecture/Lab) (0-12)

4. **Prerequisite(s):** Seniors

5. **Type of Course:** Required

6. **Trimester / Academic Year:** 1st trimester / 2003-04

7. **Course Description**

   Small research projects in Food Science and Technology or related fields under the supervision of a research advisor.

8. **Course Objectives**

   1. To familiarize students with methods of conducting scientific research.
   2. To give the students practical experience with scientific equipment and procedures.
   3. To give the students experience in extended scientific writing in English.
   4. To give the students experience in working with and meeting deadlines.
   5. To gain experience with the dynamics of working with small groups.
   6. To develop critical thinking skills related to foods products.

9. **Course Outline**

   1. Term 1: a. submit a Project Proposal to the Course Coordinator.
      b. summary of the Project Proposal for formal approval by Science Division Chairman
   2. Terms while research is being conducted: Progress reports are due at the end of each term
   3. Final term:
      a. submit a Final Report
      b. submit a Scientific Poster so that the results of the research project may be displayed at MUIC for all interested persons to view.

10. Teaching Methods

1. Practical laboratory procedures
2. Scientific writing
3. Scientific posters

11. Teaching Media

1. Scientific laboratory methods
2. Scientific presentation methods

12. Course Achievement

Assessment made from the set-forward criteria: students who receive 90% and above will receive a grade A.

13. Course Evaluation

Components	%
Project Proposal	15
Progress report(s)	15
Final report	40
Project Poster	20
Professionalism/ Attendance in required seminars, meetings, etc.	10
Total	100

14. References

1. Day, Robert A. 1994.How to write and publish a scientific paper 4th ed, Oryx 223p.
2. Alley, Michael. 2002. The Craft of Scientific Writing. Springer Verlag; 264 p.
3. Booth, Vernon. 1993. Communicating in Science : Writing a Scientific Paper and Speaking at Scientific Meetings. Cambridge University Press. 94 p.

15. Instructor

Research Project Advisors

16. Course Coordinator

Dr. Andrew Kohnhorst