Appendix 2

COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Science Program in Applied Physics
Entry qualifications	1. Must have graduated or 2. To receive graduate status of their high school in Mathematics-Science program, successfully completed grade 12 or 3. Vocational Certificate Graduates
Maximum number in class	30 people
Average class contact hours per week	15-21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Science (Applied Physics)
Certificate awarded, and by whom	Ministry of Education
Duration of course	4 years
Teacher/Course Leader responsible for the course	Mr.Sarawut Jaiyen, Ph.D.
Brief outline of the course content and its delivery	Students must complete at least 134 credits of the curriculum **A. General Education Courses 30 credits** **B. Specialized Courses 98 credits** Basic Courses - Calculus 1 - Calculus 2 - Differential Equations - Chemistry 1 - Chemistry Laboratory 1 - Principles of Biology - Principles of Biology Laboratory - Physics 1 - Physics Laboratory 1

- Physics 2
- Physics Laboratory 2

Required Courses

- Mathematics for Physics
- Mechanics
- Electromagnetism
- Solid State Physics
- Modern Physics
- Thermodynamics and Statistical Physics
- Quantum Mechanics
- Intermediated Physics Laboratory
- Advanced Physics Laboratory
- Computer for Applied Physics
- Drawing for Applied Physics
- Materials Science and Materials Characterization
- Materials Science and Materials Characterization
- Laboratory
- Electronics
- Electronics Laboratory
- Metrology and Instrumentation
- Metrology and Instrumentation Laboratory
- Manufacturing Process and Quality System
- Seminar in Applied Physics
- Project in Applied Physics 1
- Project in Applied Physics 2

C. Free Elective Courses 6 credits