

# Physics 12

Specifically developed for the Physics, Grade 12, University Preparation (SPH4U) Curriculum

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### Program Goals

- To ensure a thorough and comprehensible treatment of all content and process expectations in the SPH4U curriculum
- Complex physics concepts are presented in a clear, understandable fashion
- Important concepts, such as static equilibrium, are treated in greater depth than specified in the curriculum
- To equip students with the independent learning, problem solving and research skills essential for success in post-secondary studies
- Self-contained and self-explanatory lessons
- · A variety of self-evaluation and self-checking strategies
- A mature design similar to what students will experience with first year university/college texts
- The placement of lab activities at the end of chapters parallels the formal separation of theory and labs in university courses
- Extension and web link strategies provide opportunities to hone individual research and study skills
- To acknowledge the science background and level of preparation of students entering this new course
- · A wealth of diagnostic activities
- Regular practice, assessment, and remediation opportunities
- Grade 11 skills reviewed next to its Grade 12 counterpart
- University of Waterloo Sir Isaac Newton (S.I.N.) contest questions provide an extended analysis of new concepts
- To support busy teachers with the implementation and administration of this new curriculum
- Student lessons accommodate independent learning
- A comprehensive array of planning and assessment tools reduce lesson preparation time
- Access to a variety of different instructional approaches.

## **Nelson Physics 12 Unit 3 Solution Manual**

**Ensheng Dong** 

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