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Comprehensive introduction to String theory. Zwiebach is a great professor, his online Quantum mechanics can tell you that even without going to tough subject like string theory. This book is standard book for all departments that gives a trial of giving a string theory at advanced undergraduate or first year graduate course.

### **A First Course in String Theory by Barton Zwiebach**

A First Course in String Theory by Barton Zwiebach (2004-06-28) [Barton Zwiebach] on Amazon.com. \*FREE\* shipping on qualifying offers. A First Course in String Theory by Barton Zwiebach (2004-06-28)

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## **A First Course In String Theory B**

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Course Features. Lecture notes; Assignments: problem sets (no solutions) Exams and solutions; Course Description. This course introduces string theory to undergraduate and is based upon Prof. Zwiebach's textbook entitled A First Course in String Theory. Since string theory is quantum mechanics of a relativistic string, the foundations of the subject can be explained to students exposed to both special relativity and basic quantum mechanics.

## **String Theory for Undergraduates | Physics | MIT ...**

He is one of the world's leading experts in string field theory. He wrote the textbook A First Course in String Theory (2004, ISBN 0-521-83143-1), meant for undergraduates. Selected publications. Professor Zwiebach's publications are available on the SPIRES HEP Literature Database. References

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### **Barton Zwiebach - Wikipedia**

Professor Zwiebach designed and taught a new course in the MIT undergraduate curriculum: String Theory for Undergraduates [8.251], first offered in the 2002 Spring term. This course gives a serious introduction to string theory, geared at the level of juniors and seniors.

### **MIT Department of Physics**

'Barton Zwiebach has written a careful and thorough introduction to string theory that is suitable for a full-year course at the advanced undergraduate level. There has been much demand for a book about string theory at this level, and this one should go a long way towards meeting that demand.' John Schwarz, California Institute of Technology

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### **Answers to the Problems in 'A First Course in String Theory'**

A First Course in String Theory (Second Edition, 2009) Available from Cambridge University Press. If you find errors/typos or wish to suggest corrections, write to Barton Zwiebach at [zwiebach@mit.edu](mailto:zwiebach@mit.edu). Corrections for the first edition (2004) are below, but have not been updated since 2005.

### **Book Corrections Web Page**

I have just acquired Zwiebach's "A first course in string theory". I am actually very busy with honours (4th year) coursework and research, so I cannot really get down to reading substantial



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chunks of it whenever I want to. Apparently, it covers (and maybe extends) the MIT undergraduate string theory course.

## **Zwiebach's string theory book | Physics Forums**

A First Course in String Theory. 2.3 Lorentz transformations, derivatives, and quantum operators. (b) Show that the objects transform under Lorentz transformations in the same way as the considered in (a) do. Thus, partial derivatives with respect to conventional upper-index coordinates behave as a four-vector with lower indices - as reflected by writing it as  $\partial_\mu$ .

## **Barton Zwiebach | Physics Town**

Verified Purchase. MIT Physics professor and String Theory theorist Barton Zwiebach wrote in the Preface to this 2004 book, "The idea of having a serious string theory course for undergraduates was first suggested to me by a group MIT sophomores sometime in May of

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## **A First Course in String Theory: Amazon.co.uk: Zwiebach ...**

MIT is different and Prof. Zwiebach has received well deserved honors for producing the course and the book. As string theory is one of the frontier intellectual explorations of humankind in our generation, it is a worthy subject to learn and to teach.

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