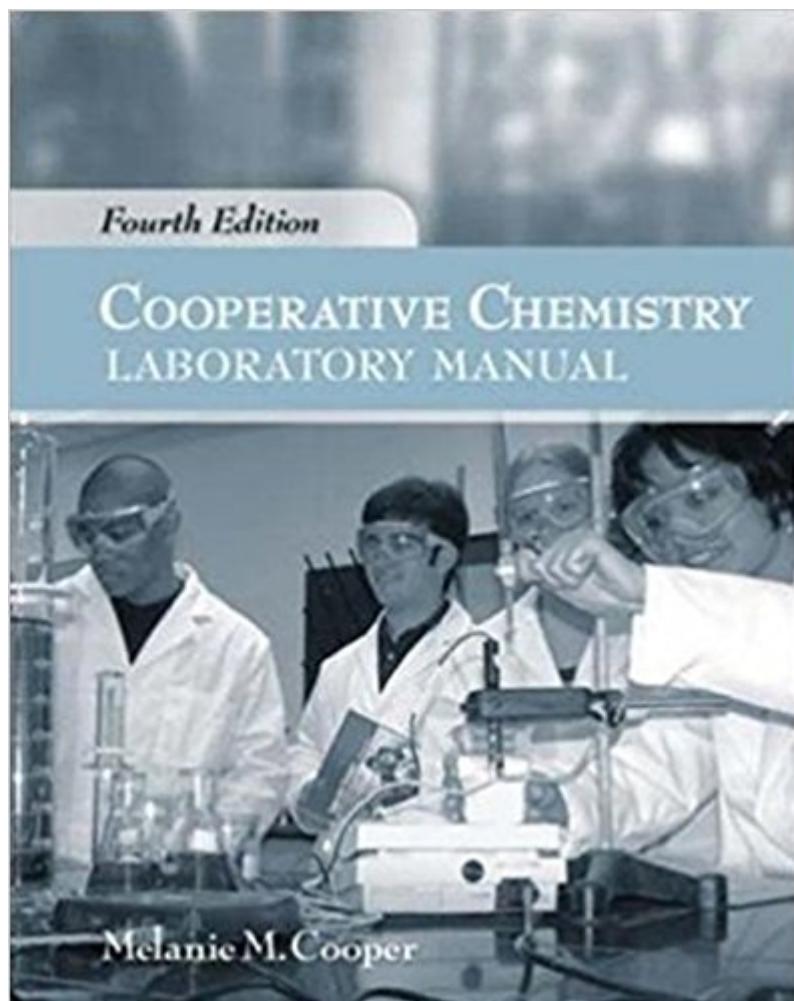


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# Cooperative Chemistry Lab Manual



## Synopsis

The laboratory course described in the lab manual emphasizes experimental design, data analysis, and problem solving. Inherent in the design is the emphasis on communication skills, both written and oral. Students work in groups on open-ended projects in which they are given an initial scenario and then asked to investigate a problem. There are no formalized instructions and students must plan and carry out their own investigations.

## Book Information

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## Customer Reviews

Melanie Cooper is Associate Professor of Chemistry at Clemson University and Director of Undergraduate laboratories in the Chemistry Dept. Dr. Cooper has been the recipient of several NSF awards to develop new laboratory curricula, and she has become very interested in the incorporation of communication and critical thinking skills into chemistry courses.

Was required to purchase this lab manual for a college General Chemistry course I am taking. If not required I would NEVER have purchased it. This might be good for higher level chemistry courses or a graduate level course but not for a freshman chemistry course. The experiments are basically presented as SUPPOSEDLY "real world situations/problems" that your team has to find the solution to then report back how you "fixed" the problem. The text gives you very little information and no real guidance on how to tackle the problems presented. It relies entirely too much on the student being intuitive. It presumes a level of knowledge and experience that the average college freshman or sophomore does not possess. I definitely WOULD NOT RECOMMEND this lab manual if you

have a choice. I unfortunately did not. It was definately a waste of my money.

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