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exemplars not as required activities teachers are encouraged to develop their own student directed inquiry based labs that address the learning objectives in the curriculum framework this manual provides a practical guide to the safe and accurate performance of basic laboratory techniques intended for use by laboratory technicians working in peripheral level laboratories in developing countries the book emphasizes simple economical procedures that can yield accurate results where resources including equipment are scarce

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in this ap lab manual the inquiry based structure includes the following components 1 pre assessment section this section contains a list of questions that you should answer before starting each activity these are meant to get you thinking about the main concepts of each lab

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a note about the fielectronicfl portion of this laboratory manual each laboratory involves the use of matlab code data les and programs that must be downloaded from the course web page these programs were developed using matlab 6 release 12 and a windows 2000 platform

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the sequence of experiments in this laboratory manual is designed to follow the lecture curriculum however instructors will sometimes vary the order of material covered in lecture and thus certain experiments may come before the concepts illustrated are covered in lecture or after the material

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the labs in this manual are intended to serve as exemplars not as required activities teachers are encouraged to develop their own student directed inquiry based labs that address the learning objectives in the curriculum framework

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this manual provides a practical guide to the safe and accurate performance of basic laboratory techniques intended for use by laboratory technicians working in peripheral level laboratories in developing countries the book emphasizes simple economical procedures that can yield accurate results where resources including equipment are scarce

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