### Wright State University

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Design and Analysis of Experiments

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## 04. Chapters - Design and Analysis of Experiments

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# Chapters

- 1. Principles and Techniques
- 2. Planning Experiments
- 3. Designs with One Source of Variation
- 4. Inferences for Contrasts and Treatment Means
- 5. Checking Model Assumptions
- 6. Experiments with Two Crossed Treatment Factors
- 7. Several Crossed Treatment Factors
- 8. Polynomial Regression
- 9. Analysis of Covariance
- 10. Complete Block Designs
- 11. Incomplete Block Designs
- 12. Designs with Two Blocking Factors
- 13. Confounded Two-Level Factorial Experiments
- 14. Confounding in General Factorial Experiments
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- 16. Response Surface Methodology
- 17. Random Effects and Variance Components
- 18. Nested Models
- 19. Split-Plot Designs
- 20. Computer Experiments

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