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Foundation Engineering 1 / Chapter 1 Foundations: Types and Considerations Dr. Adnan A. Basma 2 of 6 DESIGN CONSIDERATIONS To perform satisfactorily, foundations must carry the loads (and moments) and have two main characteristics: 1. Be safe against overall shear failure (Bearing Capacity Failure). 2. Not undergo excessive displacement (Settlement).

CHAPTER 1 INTRODUCTION TO FOUNDATIONS

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Dr. Garcia-Syngros is an Adjunct Professor at the Civil Engineering Department of the City College of New York, and a lecturer at Columbia University in the City of New York teaching advanced foundation engineering and earthquake engineering. Dr.

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Lecture Series on Foundation Engineering by Dr.N.K.Samadhiya and Dr.Priti Maheshwari Department of Civil Engineering, IIT

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