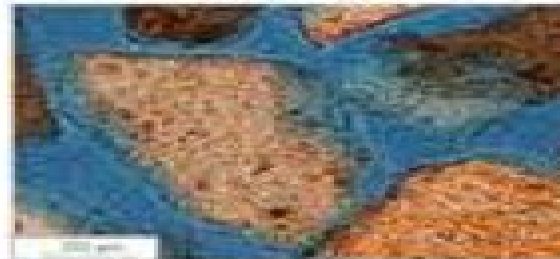


# Sedimentology (EGE 3083)

Dr. Hafzan Eva Binti Mansor

## LECTURE 4: SEDIMENTARY PETROLOGY PART I (SILICICLASTIC SEDIMENTARY ROCKS)



| Millimeters | µm  | Phi (φ) | Wentworth size class |  |
|-------------|-----|---------|----------------------|--|
| 4096        |     | -20     |                      |  |
| 1024        |     | -18     |                      |  |
| 256         |     | -10     | Boulder (-6 to -12φ) |  |
| 64          |     | -8      | Pebble (-6 to -8φ)   |  |
| 16          |     | -6      | Pebble (-2 to -6φ)   |  |
| 4           |     | -2      |                      |  |
| 3.36        |     | -1.75   |                      |  |
| 2.83        |     | -1.50   | Gravel               |  |
| 2.38        |     | -1.25   |                      |  |
| 2.00        |     | -1.00   |                      |  |
| 1.68        |     | -0.75   |                      |  |
| 1.41        |     | -0.50   | Very coarse sand     |  |
| 1.19        |     | -0.25   |                      |  |
| 1.00        |     | 0.00    |                      |  |
| 0.84        |     | 0.25    |                      |  |
| 0.71        |     | 0.50    | Coarse sand          |  |
| 0.59        |     | 0.75    |                      |  |
| 1/2         | 500 | 1.00    |                      |  |
| 0.42        | 420 | 1.25    |                      |  |
| 0.35        | 350 | 1.50    | Medium sand          |  |
| 0.30        | 300 | 1.75    |                      |  |
| 1/4         | 250 | 2.00    |                      |  |
| 0.25        | 250 | 2.25    |                      |  |
| 0.210       | 210 | 2.50    | Fine sand            |  |
| 0.177       | 177 | 2.75    |                      |  |
| 0.149       | 149 | 3.00    |                      |  |
| 1/8         | 125 | 3.25    |                      |  |
| 0.105       | 105 | 3.50    | Very fine sand       |  |
| 0.088       | 88  | 3.75    |                      |  |
| 0.074       | 74  | 4.00    |                      |  |
| 1/16        | 63  | 4.25    |                      |  |
| 0.0530      | 53  | 4.50    | Coarse silt          |  |
| 0.0440      | 44  | 4.75    |                      |  |
| 0.0370      | 37  | 5.00    |                      |  |

**Udden-Wentworth  
grain-size scale for  
siliciclastic sediment  
(Wentworth, 1922).**

# Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1

**AW Chickering**



## **Sedimentary Petrology Part II Sediments And Sedimentary Rocks 1:**

This book delves into Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1. Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 is a crucial topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
    - Chapter 1: Introduction to Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1
    - Chapter 2: Essential Elements of Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1
    - Chapter 3: Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 in Everyday Life
    - Chapter 4: Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, the author will provide an overview of Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1. The first chapter will explore what Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 is, why Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 is vital, and how to effectively learn about Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1.
  3. In chapter 2, this book will delve into the foundational concepts of Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1. The second chapter will elucidate the essential principles that need to be understood to grasp Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 in its entirety.
  4. In chapter 3, this book will examine the practical applications of Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 in daily life. This chapter will showcase real-world examples of how Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 can be effectively utilized in everyday scenarios.
  5. In chapter 4, this book will scrutinize the relevance of Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 in specific contexts. This chapter will explore how Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1 is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, this book will draw a conclusion about Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1. This chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Sedimentary Petrology Part Ii Sediments And Sedimentary Rocks 1.

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