



Satuan Acara Pengajaran

ENMT800103 - Komposit Lanjut

Pengajar

Wahyuaji Narottama Putra S.T., M.T.

Minggu 1

Materi	SAP. Introduction. Tugas
Media	LCD. Laptop. Whiteboard
Referensi	Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981 Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993 Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999 Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994 Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997
Aktivitas	Lecture

Minggu 2

Materi	Concept, definition & classification
Media	LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Mattew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 3

Materi Fiber reinforcement

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Mattew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 4

Materi Metal Matrix Composites

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Mattew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 5

Materi Polymer Matrix Composite

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 6

Materi Ceramic Matrix Composites

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 7

Materi Quiz

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Examination

Minggu 8

Materi Mid Test

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Examination

Minggu 9

Materi Rule of mixture

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 10

Materi Mechanic of composite 1

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Mattew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 11

Materi Mechanic of composite 2

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Mattew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 12

Materi Nanocomposite

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Lecture

Minggu 13

Materi Quiz

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Examination

Minggu 14

Materi Case study

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Presentation

Minggu 15

Materi Case study

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Presentation

Minggu 16

Materi Final test

Media LCD, laptop, whiteboard

Referensi Hull, D., An Introduction to composite Materials, Cambridge Uni. Press, 1981
Matthew, F.L. and R.D. Rawlings, Composite Materials: Engineering and Science, Chapman Hall, 1993
Bryan Harris, Engineering Composites Materials, 2nd Eddtion, Institute of Materials Communication Ltd, 1999
Gibson R.F. Principle of Composites Materials Mecanics, Mc Graw Hill, 1994
Kaw, Autar K, Mechanics of Composites Materials, CRC, Press, New York, 1997

Aktivitas Examination
