

Advanced Vehicle Dynamics (Semester 1)

[View Online](#)

20 items

Essential – e.g. Required for assignments/essential reading (1 items)

Performance vehicle dynamics: engineering and applications, by James Balkwill, 2018

[Book](#) | Essential

Recommended – e.g. Recommended sources to aid study on the module (5 items)

Fundamentals of vehicle dynamics, by T. D. Gillespie, 2021

[Book](#) | Recommended

Fundamentals of vehicle dynamics, by Gillespie, T. D., c1992

[Book](#) | Recommended

The multibody systems approach to vehicle dynamics, by Michael Blundell; Damian Harty, 2015

[Book](#) | Recommended

Multibody systems approach to vehicle dynamics, by Michael Blundell; Damian Harty, 2004

[Book](#) | Recommended

Race car vehicle dynamics, by Milliken, William F.; Milliken, Douglas L., 1995

[Book](#) | Recommended

Background – e.g. Background reading / sources cited in course material (14 items)

Road vehicle dynamics, by Giancarlo Genta; Alessandro Genta, 2015

[Book](#) | Optional

Motor vehicle dynamics: modeling and simulation, by Genta, G., 1997

[Book](#) | Optional

The racing & high-performance tire: using the tires to tune for grip and balance, by Haney, Paul; Society of Automotive Engineers, 2003

[Book](#) | Optional

Tyre technology, by French, Tom, c1989

[Book](#) | Optional

Vehicle dynamics, by Dukkipati, Rao V., c2000

[Book](#) | Optional

Hillier's fundamentals of automotive electronics: Book 2, by Hillier, V. A. W., 2012

[Book](#) | Optional

Hillier's fundamentals of motor vehicle technology: Book 1, by Hillier, V. A. W.; Calex UK.; Institute of the Motor Industry, 2012

[Book](#) | Optional

Automotive chassis: engineering principles, by Reimpell,

Jo

rnsen; Stoll, Helmut, 1996

[Book](#) | Optional

Engineer to win, by Smith, Carroll, 1984

[Book](#) | Optional

Tune to win, by Smith, Carroll, c1978

[Book](#) | Optional

Smith's fundamentals of motorsport engineering, by Smith, Josh, 2013

[Book](#) | Optional

Competition car suspension: a practical handbook, by Staniforth, Allan, 2006

[Book](#) | Optional

Theory of ground vehicles, by Wong, J. Y., c2008

[Book](#) | Optional

Formula 1 technology, by Wright, Peter, c2001

[Book](#) | Optional

Unknown - Ask Module Leader for details