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phenomena . chapter  
01: fluid statics and

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chapter 03: application  
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and continuity. chapter  
04: laminar and  
turbulent flow in pipes.  
chapter 05: fluid flow  
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**~~Lecture-1:~~**

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| Union A reality check Course in Transport                    | <i>film flow over 2D</i>     |
| on renewables - David Phenomena - beginning                  | <i>flat plate inclined</i>   |
| MacKay <del>Introductory</del> of book <i>Lecture 4:</i>     | <i>at 45 degree</i>          |
| <del>Fluid Mechanics L19</del> <i>Exact solutions of</i>     | <i>Analytical Solutions</i>  |
| <del>p2 The Boundary</del> <i>Navier-Stokes</i>              | <i>to Weld Thermal Field</i> |
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deals with the  
movement of different  
physical quantities  
in any chemical or  
mechanical process  
and describes the  
basic principles and  
laws of transport. It  
also describes the  
relations and  
similarities among  
different types of  
transport that may  
occur in any system.  
The analytical

solution is used to  
study the importance of  
transport phenomena in  
PEM fuel cell operation  
and their interaction  
with chemical reaction  
processes. It is shown  
that the rate of the  
chemical reaction has a  
substantial influence  
on the reactant flux  
and its distribution  
within the porous  
substrate.