# LITERATURE I

**Course Books:**

**1)** Mathematical Methods for Phycists, G. Arfken 3rd Edition
**2)** Parial Differential Equations for Scientists and Engineers, S. J. Farlow
**3)** Course notes available at http://fac.ksu.edu.sa/vlempesis/home

**Books available in the KSU Library**

**515.2433 H.K.** **2001**

**Principles of fourier analysis**
Howell, Kenneth B.

**515.353 G.E.** **1995**

**Fourier analysis and boundary value problems**
Gonzalez-Velasco, Enrique A.

**515.2433 C.M.** **1990**

**Fourier methods for mathematicians, scientists and engineers**
Cartwright, Mark

**515.2433 W.H.** **1989**

**Theory of discrete and continuous fourier analysis**
Weaver, H. Joseph.

**515.2433 W.J.** **1988**

**Fourier analysis**
Walker, James S.

**515.2433 S.K.** **1984**

**Fourier series and harmonic analysis**
Stroud, K. A. Kenneth Arthur 1908-

**515.2433 H.H.** **1984**

**Applied Fourier analysis** *1st ed.*
Hsu, Hwei P. (Hwei Piao), 1930-

**515.2433 R.C.** **1981**

**Theory and applications of Fourier analysis**
Rees, Charles Sparks.

**515.2433 B.L.** **1979**

**Fourier analysis**
Baggett, Larry.

**515.723 W.E.** **1981**

**Laplace transforms and applications**
Watson, Eric John, 1924-

**621.301515723 B.T.** **1983**

**Laplace transforms : theory and experiments**
Bogart, Theodore F.

**515.35 B.R.** **1973**

**Schaum's outline of modern introductory differential equations, : with Laplace transforms, numerical methods, matrix methods [and] eigenvalue problems**
Bronson, Richard.

**517.352 O.U.** **1972**

**Laplace transforms**
The Open University

**517.352 M.N.** **1970**

**Laplace transforms and their applications to differential equations**
McLachlan, Norman William, 1888-

**515.723 B.S.** **1969**

**Laplace and fourier transforms**
Bishara, Sadek

**517.352 R.G.** **1966**

**Table of Laplace transforms**
Roberts, G. E. [George E.]

**515.723 S.M.** **1965**

**Theory and problems of laplace transforms**
Spiegel, Murray R

**515.353 S.J.** **2009**

**Partial differential equations for engineers and scientists** *2nd ed.*
Sharma, J. N.

**515.352 A.R.** **2009**

**Ordinary and partial differential equations : with special functions, Fourier series, and boundary value problems**
Agarwal, Ravi P.

**515.353 P.Y.** **2005**

**Introduction to partial differential equations**
Pinchover, Yehuda

**515.353 A.P.** **2004**

**Applied partial differential equations** *Rev. ed.*
Ockendon, J. R.

**515.35 K.A.** **2003**

**Differential Equations linear, nonlinear, ordinary, partial**
King, A. C./ Billingham, J./ Otto, S. R.

**515.353 J.J.** **2002**

**Partial differential equations**
Jost, Jurgen 1956-

**515.354 P.A.** **2002**

**Handbook of linear partial differential equations for engineers and scientists**
Polyanin, Andrei D.

**530.155353 R.I.** **1998**

**Partial differential equations in classical mathematical physics**
Rubinstein, Isaak

**515.353 M.R.** **1996**

**Partial differential equations : methods and applications**
McOwen, Robert C.

**515.353 D.E.** **1995**

**Partial differential equations**
DiBenedetto, Emmanuele

**531.113301515353 L.G.** **1995**

**Introductory applications of partial differential equations : with emphasis on wave propagation and diffusion**
Lamb, George L. 1931-

**Video Lectures:**

**Fourier Series**
**http://www.youtube.com/watch?v=EWWw0jryj1A**

**Fourier Transforms**
**http://www.youtube.com/watch?v=gZNm7L96pfY**

**Laplace Transforms**
**http://www.youtube.com/watch?v=an5E940fqZQ**

**Solved Problems**

**http://deeke.org/FourierSeries-Schaum.pdf**

**http://www.engr.sjsu.edu/rmorelos/ee160f05/SolvedProblems.pdf**

**http://matematika.cuni.cz/dl/pyrih/laplaceProblems/laplaceProblems.pdf**

**http://faculty.atu.edu/mfinan/4243/Laplace.pdf**