(Previously FN 4530)	PR: FN 4330 DERIVATIVE PRODUCTS	3/0	
		UK LEVEL UK CREDITS:	
(Spring 2016 )			
PREREQUISITES:	FN 2028 Financial Mathematics <b>or</b> FN 3005 Foundation FN 3032 Foundations of Investment FN 3113 Corporate Finance	ns of Corporate Financ	
CATALOG DESCRIPTION:	This course discusses and evaluate the role of derivative securities in managing risk, as well as the general principles underlying the pricing and valuation of derivative securities		
RATIONALE:	In recent years there has been a significant growth of markets for futures contracts and options. Employing these instruments, firms and portfolio managers hedge risk and/or alter the distribution of the returns on their portfolios thus benefiting investors.		
LEARNING OUTCOMES:	As a result of taking this module, the student should be able to:		
	<ol> <li>Discuss the main characteristics of derivatives prolimitations of derivative markets.</li> <li>Explain the role of arbitrage and construct simple strategies to hedge various risks and reflect on the hedging risk.</li> <li>Demonstrate knowledge of pricing of derivatives proceeding payoffs.</li> <li>Valuation of alternative derivative products through a theory.</li> </ol>	e derivative securities e need for their use oducts, and interpret t	
METHOD OF TEACHING AND LEARNING:	In congruence with the teaching and learning strategy of the college, the following tools are used:		
	<ul> <li>Class lectures and seminar-style class discussion of key terms at concepts with appropriate examples. Use of case studies.</li> <li>Office hours: students are encouraged to make full use of the offi hours of their instructor, where they can ask questions, see their exampaper, and/or go over lecture material.</li> <li>Use of Blackboard</li> <li>Guest lectures</li> <li>Field visits (students engagement/project involvement)</li> </ul>		
ASSESSMENT:	Summative:		
	First Assessment: Individual Coursework (1,400-1,800) words Individual component 80% Presentation component 20%	40	
	Second Assessment: In-class written examination (Two-hour, closed-book, problems/essays combination)	60	
	Formative:		
	Case studies, assignment preparation	0	
	The formative assessment aims to prepare students for the summative assessments.  1st Ass: Project tests Learning Outcome: 1, 2  2nd Ass: Final tests Learning Outcomes: 1, 2, 3 and 4 with emphasis placed on 3 and 4		

INDICATIVE READING:	REQUIRED READING:	
	Hull, J. C. (2014). Fundamentals of Futures and Options Markets. Prentice Hall, 8 <sup>th</sup> ed.	
	RECOMMENDED READING:	
	<ul> <li>Black, F. (1975). Fact and Fantasy in the use of Options. Financial Analysts Journal, Vol., 31 (4) 36-72</li> <li>Black, F. S. (1989). How we came up with the Option Formula. Journal of Portfolio Management, Vol., 15 (2), 4-8.</li> <li>Bookstaber, R.; Clarke R., (1981). Options can alter portfolio return distributions. Journal of Portfolio Management, Vol., 7 (3), 63-70</li> <li>Figelman, I. (2008). Expected Return and Risk of Covered Call Strategies. The Journal of Portfolio Management, Vol., 34, 81-97</li> <li>Jorion, P. (2000). Risk management lessons from Long-Term Capital Management. European Financial Management, Vol. 6, (3), p277</li> <li>Labuszewski et all, (2010). The CME Group Risk Management Handbook: Products and Application. CME Group, 1st ed.</li> <li>McDonald, R. (2013). Derivatives Markets. Pearson, 3rd ed.</li> <li>Merton, R. C. (1973). The Relation between Put and Call option prices: Comment. Journal of Finance, Vol., 2, 183-184.</li> <li>Moriarty, E., Phillips, S. and Tosini, P. (1981). A comparison of options and futures in the management of portfolio risk. Financial Analysts Journal, Vol. 37, Issue 1</li> <li>Strong R., and Dickinson A. (1994). Forecasting Better Hedge Ratios. Financial Analysts Journal, Vol., 50 (1), 70-72.</li> </ul>	
INDICATIVE MATERIAL: (e.g. audiovisual, digital material, etc.)	N/A	
COMMUNICATION REQUIREMENTS:	<ul> <li>Use of Blackboard CMS.</li> <li>Use of word processing, Excel and presentation software for documentation of assignments.</li> <li>Participation in class discussions should be delivered in a professional manner, using proper English communication skills.</li> </ul>	
SOFTWARE REQUIREMENTS:	MS Office, Internet, Blackboard Financial Data Bases.	
WWW RESOURCES:	<ul> <li>Students are expected to use the internet at their own discretion to select information on the individual project. Databases available through the ACG library</li> <li>CME Group - www.cmegroup.com</li> <li>CBOE - <a href="http://www.cboe.com/learncenter/default.aspx">http://www.cboe.com/learncenter/default.aspx</a></li> <li>Futures Magazine – www.futuresmag.com</li> <li>Financial Times - www.ft.com</li> <li>Reuters - www.reuters.com</li> <li>Bloomberg – www.bloomberg.com</li> </ul>	
INDICATIVE CONTENT:	<ul> <li>Futures, Forwards, Options,</li> <li>Swaps Pricing and Valuation.</li> <li>Quantitative methods to measure and manage risk</li> <li>The Cost of Carry Model,</li> <li>Arbitrage Pricing,</li> <li>Stock Index Futures,</li> <li>Hedging with Futures Black-Scholes,</li> <li>Binomial Pricing,</li> <li>Credit risk and credit derivatives</li> </ul>	