UU College of Engineering ENAC
31 May 2013

Remote Course Delivery to Industry

Don Bloswick
Professor, Mechanical Engineering
Non-Thesis M.S. Program at ATK

1980’s  UU ME/IE Professors traveled to ATK

1990’s  Sporadic on-campus courses recorded and physically provided to ATK
  • Lectures recorded and sent to ATK
  • Exams proctored at ATK
    – Proctor and coordination by ATK personnel
  • 1-2 courses/term, 5-6 students/course
  • All courses included both on-campus and ATK sections
  • Financial incentive for students who complete M.S.
  • Systematic tuition reimbursement program (B- or better since 1991)

~2003  Decision to “Make it or Break it”

~2003  David Riemer, VP Engineering ATK
Non-Thesis M.S. Program at ATK

~2004-13 Ramp-up

• Initially lectures recorded and sent to ATK
• Lectures web-based starting Spring 2006
• Exams proctored at ATK
  – Proctor and coordination by ATK personnel
• Project presentations at ATK
• Some labs recorded and some required on-campus participation
• Office hours by phone/email and some Saturdays
• Peak = 6-7 courses/term, 6-15 students/course
• All courses include both on-campus and ATK sections
• Financial incentive for students who complete M.S.
• Systematic tuition reimbursement program reduced from 100% to 90% in 2011)
• 81 non-thesis M.S. degrees awarded to date

2013/14 Evaluate future direction of ATK/distance M.S. Program
Systems Engineering Certificate Program

AY 2008 Graduate Systems Engineering Certificate Approved

• Additional financial incentive for ATK employees 2008-11 (5% raise)
• 15-credits required for SE Certificate fits perfectly within the 15-credit emphasis required for 30 credit MSNT program
• 3 S.E. courses (9 credits). Lectures taught by ATK Adjunct Professor
• 2 elective courses (6 credits) from approved emphasis areas
• 21 certificates awarded to date, 5 in process
Systems Engineering Certificate Program

Enrollment:

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2013/14 Evaluate future direction of SE Certificate Program

• SE 3 will definitely be offered Autumn 2013 to allow certificate completion for students who have taken SE 1 & 2.
• Option to teach SE 1 as a “stand-alone” course is under consideration.
Systems Engineering Certificate Program

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