1) **Purpose and Instructional Need (include goals and objectives)**

The purchasing of AMOS software serves the purpose of allowing students to learn structural equation modeling, multiple regression analysis, and confirmatory factor analysis.

**Goal:** Students will demonstrate the ability to analyze educational research data using the various methods within AMOS

**Objective:** Students will demonstrate how to set up and run a multiple regression analysis.

**Objective:** Students will demonstrate how to set up and run a confirmatory factor analysis.

**Objective:** Students will demonstrate how to set up and run a path analysis.

2) **Identify how project will impact and benefit student learning include % affected and number affected.**

Students will benefit from the knowledge and use of this software as they will learn new and more complex methods of data analysis. Educational research has moved forward away from simple statistical analysis to using advanced technology to test more complicated models of observed and latent variables. Students require the knowledge not only to complete these analyses, but also to better understand these more complex data analytic procedures as they read the current literature. One of the best ways to gain a more complete understanding of the data analysis is to personally use the analysis tools with real educational data sets.

Within the Educational Psychology department, 100% of graduate students in the School Psychology Program will be affected over the next several years as they use the program in MEASRES 6281. Also, 100% of doctoral students will be affected as they use the program in INTDEPED 7307. If the software is used for the next 5 years, 100 students across both courses will be affected. In addition, doctoral students may also be affected as they all complete dissertation projects and may require this software to complete the data analysis. It is estimated that 25% of these students will require the use of this software, which is 12 students over 5 years.

In addition, throughout the College of Education, faculty members regularly work with undergraduate and graduate students on research projects that may require the use of more complex statistical analysis software. We estimate that 50 students across 5 years will be affected through working with faculty on research projects that require the use of this software.

3) **Describe how project aligns with COE Strategic plan and if possible department goals.**

The addition of this software and subsequently the learning that will take place because this software is available aligns with Goal 1, Goal 2 and Goal 4 of the COE strategic plan. Within Goal 1, we

2012-2013 COE Student Technology Fee Application
The addition of the course content and research opportunities associated with the purchase of this software will enhance our graduate education programs. Goal 2 states that faculty will take part in intellectually rigorous teaching. The addition of teaching about multiple regression, confirmatory factor analysis and structural equation modeling increases the rigor and relevance of the statistics courses we offer to our students. In addition, our students are able to take part in more rigorous research projects. Goal 4 concerns the increase of informational resources. The addition of the software and the subsequent addition of more rigorous content in our courses leads to increased informational resources for our students and our faculty who teach and use these statistical analyses.

4) **Describe your plan to assess the impact of the technology project on student learning.**
   Students who take the courses affected by the addition of this content will complete an analysis project using the software. Student scores on this project will be used as impact assessments. In addition, the number of students who use this software for thesis and dissertation research data analysis will be tracked and the results of those projects may be used as impact assessments.

5) **Support Needed:**
   a. Who will install technology and provide technical support for project?
      IRTS staff
   
   b. Where will resources be installed? Building SED Room #_________.
      It's software only. It will be installed on the COE server in the IRTS lab.
   
   c. Does this room have the necessary data & electrical infrastructure required for your resources?
      Yes
   
   d. Does this proposal include funds to add the necessary infrastructure if not present?
      Not applicable

**Note:** All funded proposals will be required to submit a report summary and will be invited to present an overview of project during Spring 2014 semester.
**International Business Machines Corporation**

*International Business Machines Corporation, PO Box 643600, Pittsburgh, PA 15256-3600*

Quotation Number: 15947302  
IBM Contact: Nolan D. Grandaw  
Phone Number: 1-312-651-3194

SAP Customer Number: 3517148

Customer:
Attn: Nicole Skaar  
University of Northern Iowa  
1227 West 27th Street  
CEDAR FALLS IA 50614  
UNITED STATES

01-Nov-2012

Quote Effective Date: 01-Nov-2012  
Quote Expiration Date: 30-Nov-2012

Payer: 3517148  
University of Northern Iowa  
1227 West 27th Street  
CEDAR FALLS IA 50614  
UNITED STATES

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01-Nov-2012 - 31-Oct-2013

Applicable tax will be recalculated at the time of order processing.

**Subtotal in USD:** 3,696.45  
**Total in USD:** 3,696.45

Final coverage dates for new license, Software Subscription and Support reinstatement, and Software Subscription and Support renewal part numbers will be based upon IBM's acceptance of the order, and as specified in the applicable agreements, irrespective of the dates which may appear in this quote.
Quotation Terms and Conditions

1. The prices listed above are based on the Program(s) being licensed under the terms of the IBM International Program License Agreement ("IPLA") and the License Information ("LI") that can be viewed at http://www-306.ibm.com/software/sla/sladb.nsf and are included with the shipment of the Program, or for electronic delivery included with the product download instructions. Software Subscription and Support (Software Maintenance) is governed by the IBM International Agreement for the Acquisition of Software Subscription and Support ("IAASSS"), which is available upon request. This quotation is expressly conditional on acceptance of such terms. No additional terms will apply without IBM's prior, express written consent.


3. Price quoted does not include any VAT/GST/sales tax. Applicable sales tax/VAT/GST will be added upon invoicing. If any authority imposes a duty, tax, levy or fee, excluding those based on IBM’s net income, upon the Programs and/or Software Subscription and Support, then the End User agrees to pay the amount specified or supply exemption documentation. The End User is responsible for any personal property taxes for the Programs, and/or Software Subscription and Support from the delivery date.*

4. Changes to the terms of this Quote or the documents referred to herein shall not be valid unless agreed in writing by the End User and IBM. Additional or different terms in any order or written communication from the End User will be void. Please submit your Purchase Order or sign this quotation form to confirm your acceptance of these terms.**

5. Prices set forth in this Quote are valid only through the "Quote Expires" date above. Any discounts offered herein are subject to change if item(s) or quantity ordered do not match those listed in this Quote.

6. Net Payment of the Total Fees is due upon receipt of invoice from IBM. ***

7. Shipping is FOB Origin.

8. You acknowledge and agree that this transaction is to be conducted in the language of this quote, and agree that the terms of the agreement (including this form and the IPLA, LI and IAASSS) as written are valid and enforceable. ***

9. IBM shall have the right to verify your compliance with the license terms on your premises during your normal business hours and in a manner that minimizes disruption to your business. IBM may use an independent auditor for this with your prior approval, which you will not unreasonably withhold. If you are a Business Partner you will procure that IBM has the right to verify the End User's compliance with the license terms in accordance with this paragraph.

10. Unless otherwise agreed, IBM may make partial shipment of Programs making up one order.

11. This quotation is conditional on satisfactory credit checks being performed and a sufficient credit limit being in place at the time of placing the purchase order ("PO"). In the absence of this, IBM reserves the right to reject the PO, to require up-front payment or require that a satisfactory payment guarantee be put in place prior to processing the PO.

12. This Quote, and the documents referenced herein, including but not limited to the IPLA, LI and IAASSS in Item 1 above, constitute the entire agreement between the parties (and where relevant the End User) in connection with the subject matter includes, and supersedes, merges and voids all prior and contemporaneous agreements, understandings, negotiations and discussions, whether oral or written, of the parties with respect thereto.

* For Customers in Brunei, Indonesia, Philippines, Vietnam, Malaysia, Thailand, Hong Kong, Taiwan, or Macau Item 3 is replaced as follows:

3. Price quoted does not include any VAT/GST/sales tax or other local tax. Applicable sales tax/local tax/VAT/GST will be added upon invoicing. Should you be required under any law or regulation of any government entity or authority, domestic or foreign, to withhold or deduct any portion of the payments due to IBM, then the sum payable to IBM shall be increased by the amount necessary to yield to IBM an amount equal to the sum it would have received had no withholdings or deductions been made. The End User is responsible for any personal property taxes for the Programs, and/or Software Maintenance from the
delivery date.

* For Customers in Europe, Middle East or Africa Item 3 is replaced as follows:

3. Price quoted does not include any VAT/GST/sales tax. If any authority imposes a duty, tax, levy or fee, excluding those based on IBM’s net income, upon the Programs and/or Software Subscription and Support, then you agree to pay the amount specified on the invoice or supply exemption documentation. The end user of the Programs ("End User") is responsible for any personal property taxes for the Programs, and/or Software Subscription and Support from the delivery date.

* For Customers in Australia Item 3 is replaced as follows:

3. If any authority imposes a duty, tax, levy or fee, excluding those based on IBM’s net income, upon the Programs and/or Software Subscription and Support, then the End User agrees to pay the amount specified or supply exemption documentation. The End User is responsible for any personal property taxes for the Programs, and/or Software Subscription and Support from the delivery date. If the rate of GST or other indirect taxes changes, IBM may adjust the charge or other payable to take into account that change from the date the change becomes effective.

* For Customers in Japan Item 3 is replaced as follows:

3. Price quoted does not include any consumption tax. Applicable consumption tax will be added upon invoicing. If any authority imposes a duty, tax, levy or fee, excluding those based on IBM’s net income, upon the Programs and/or Software Subscription and Support, then the End User agrees to pay the amount specified or supply exemption documentation. The End User is responsible for any personal property taxes for the Programs, and/or Software Subscription and Support from the delivery date.

** For Customers in Europe, Middle East or Africa Item 4 is replaced as follows:

4. Changes to the terms of this Quote or the documents referred to herein shall not be valid unless agreed in writing by the End User and IBM. Additional or different terms in any order or written communication from the End User will be void. Please submit your Purchase Order to confirm your acceptance of these terms.

*** For Business Partner Item 6 is replaced as follows:

6. Net payment due upon receipt or per your Partner Agreement

*** For Business Partner Item 8 add the following:

Added to 8. Prior to providing any Program(s) to the End user, you will ensure that the terms of each end-user license agreement satisfies the requirements of your Partner Agreement.

For customers in the following countries, please sign below for your acceptance of this quote and return with your order.

Afghanistan, Albania, Algeria, Andorra, Angola, Bahamas, Belgium, Benin, Botswana, Bulgaria, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, The Democratic Republic of Congo, Cote D’Ivoire, Czech Republic, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, France, French Guiana, French Polynesia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Iran, Iraq, Italy, Japan, Jordan, Kenya, Kuwait, Lesotho, Liberia, Libya, Macedonia, Malawi, Mali, Malta, Mauritania, Morocco, Mozambique, Namibia, Netherlands, Niger, Nigeria, Oman, Pakistan, Palestinian Territory, Poland, Qatar, Rwanda, San Marino, Senegal, Swaziland, Syria, United Arab Emirates, Western Sahara, Yemen, Zambia, and Zimbabwe.

For customers in the following countries, please sign below for your acceptance of this quote and return with your order. An IBM delegate will need to countersign.

Original
Agreed to:
'Customer'

By __________________________

Authorized Signature

Name (type or print):

Date:

Agreed to:
Local International Business Machines Delegate

By __________________________

Authorized Signature

Name (type or print):

Date:
12 point Times New Roman, handwritten applications will not be accepted

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2006 COE Student Technology Vendor Form

Forms without hard copy quotes will be returned to you.