

## MEMORANDUM

Date: August 1, 2016

To: Martin Abraham, Ph.D., Provost and Vice President for Academic Affairs

From: Andrew Shepard-Smith, Office of Grants and Sponsored Programs

Re: FY15-16 Fourth Quarter and End-of-FY Report for the Office of Research

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Please see attached FY15-16 Fourth Quarter Report as prepared by the Office of Grants and Sponsored Programs (OGSP) for delivery to the Academic and Student Affairs Committee of the Board of Trustees.

OGSP has managed a record-breaking 178 grant projects in FY15-16. This represents a 34% increase over last FY. This is 10% more projects than YSU's record set in FY09-10. OGSP processed 83 awards, representing a 24% increase in the quantity of awards managed over the previous FY. As administrative co-chair for IRB and IACUC, I also track integrity functions; IRB processed a record-breaking 202 protocols for the year, an increase of 5% over last fiscal year and IACUC processed four (4) protocols.

To support continued growth of YSU's research infrastructure, the office has accomplished several additional internal goals:

- Expanded CITI training to include five additional modules to ensure continued regulatory compliance by providing education and training leading to recognized research certifications.
  - Export Control
  - Requested: Consent with Subjects Who Do Not Speak English
  - Requested: Consent and Cultural Competence
  - Requested: Consent and Subject Recruitment Challenges: Therapeutic Misconception
  - Requested: Consent and Biobanks and Associated Databases
- OGSP recommended a previously successful plan to secure Technical Writing graduate and undergraduate students to serve internships within the office, supporting proposal editing and preparation.
- OGSP delivered updates on research to a significant number of elected officials.
- OGSP authored and developed a plan to expand multi-disciplinary proposals via an annual faculty Summit.
- OGSP authored YSU's subaward agreement in compliance with Title 2, approved for issuance by the Ohio Attorney General's Office: seven subawards issued during the quarter.
- Received the institution's first NSF CAREER award (the only award out of 20 submissions dating back to November 1997) for principal investigator Dr. Bonita Sharif.

Please find Fourth Quarter Report for FY15-16 as follows.



## EXECUTIVE SUMMARY

Fourth Quarter Report – FY2015-16

April 1, 2016 to June 30, 2016

### Fourth Quarter Proposals Submitted to External Agencies:

Fourth Quarter-Total Dollars Requested:	\$4,415,558
Fourth Quarter-Indirect Cost Requested:	\$429,883
Fourth Quarter-Total Projects Submitted:	41

### Fourth Quarter Funded Proposals:

Fourth Quarter-Total Dollars Received:	\$4,383,427
Fourth Quarter-Indirect Costs Awarded:	\$413,566
Fourth Quarter-Total Projects Awarded:	19

### Fiscal Year 2015-16:

YTD-Total Dollars Requested:	\$29,250,789
YTD-Total Dollars Received:	\$7,515,061
YTD-Total Projects Submitted:	178
YTD-Total Projects Awarded:	83

### Comparative Data:

	<u>FY2014-15</u>	<u>FY2015-16 YTD</u>
Total Dollars Requested:	\$25,335,950	\$29,250,789 (+15%)
Total Dollars Received:	\$4,602,689	\$7,515,061 (+63%)
Total Projects Administered:	133	178 (+34%)
Total Projects Awarded:	67	83 (+24%)
Total IRB Protocols	192	202 (+ 5%)
Total IACUC Protocols	5	4 (-20%)
FY Average Request (Trimmed Mean)		\$121,003
FY Average Award (Trimmed Mean)		\$44,394
FY Proposal Success Rate (with Outliers Included)		46%

## Proposals Submitted to External Agencies

Fourth Quarter Report – FY2015-16

April 1, 2016 to June 30, 2016

PI/PD	Dept.	Agency	Title	Amt. Req.	Indirect Costs	YSU Cost Share
Arslanyilmaz, A.	Computer Science and Information Systems	National Science Foundation	COMENTOR - Cross-age mentoring between middle school student and undergraduate students pursuing a computing degree at YSU	\$598,908	\$158,023	\$ -
Aspiranti, K.	Counseling, Special Ed., School Psych.	Society for the Study of School Psychology Early Career	Investigating the use of the Color Wheel System to decrease disruptive behavior of children with autism in inclusive and self-contained classroom settings	\$18,874	\$952	\$ -
Beshara, J.	Campus Police	Ohio Office of Criminal Justice Services	YSU Community Engagement Accountability Initiative	\$31,871	\$170	\$8,000
Bralich, J.	REDI	Nelson Development WRTA	Nelson Development WRTA 2015 Mapping	\$4,195	\$ -	\$ -
Bralich, J.	REDI	YNDC	YNDC Planning Services Contract	\$8,200	\$ -	\$ -
Bralich, J.	REDI	Mercy Health	YNDC Planning Services Contract	\$922	\$ -	\$ -
Cameron, A.	Center for Human Services Development	Ohio Department of Education	21st Cent. Community Learning Center Grant: Prospect Elementary & Girard Intermediate School	\$200,000	\$ -	\$ -
Cameron, A.	Center for Human Services Development	Ohio Department of Education	21st Cent. Community Learning Center Grant: EJ Blott Elementary	\$200,000	\$ -	\$ -
Cameron, A.	Center for Human Services Development	Ohio Department of Education	21st Cent. Community Learning Center Grant: East Liverpool Elementary	\$200,000	\$ -	\$ -
Cameron, A.	Center for Human Services Development	Ohio Department of Education	21st Cent. Community Learning Center Grant: Campbell Elementary	\$200,000	\$ -	\$ -
Cameron, A.	Center for Human Services Development	Ohio Department of Education	21st Cent. Community Learning Center Grant: Brookfield Elementary	\$200,000	\$ -	\$ -
Carlson, L.	Mathematics and Statistics	Ohio Dept. of Higher Ed.	Ohio Mathematics Bridges to Success	\$20,000	\$1,481	\$ -
Choo, K.	Mech/Indus Eng.	Association for Iron and Steel Technology	Kent D. Peaslee Junior Faculty Award	\$35,000	\$ -	\$ -
Cortes, P.	Civil & Environmental Engineering	Ohio Space Grant Consortium	OSGC Student-Innovative-Creative-Hands-on Project (SICHOP) Dodrill	\$5,000	\$ -	\$ -

Cortes, P.	Civil & Env. Engineering	Ohio Space Grant Consortium	OSGC Student-Innovative-Creative-Hands-on Project (SICHOP) Marsch	\$5,000	\$ -	\$ -
Cortes, P.	Civil & Env. Engineering	Ohio Federal Research Network	Low Cost Manufacturing for Limited Production Composite Structures	\$100,002	\$12,167	\$100,081
DeBlasio, D.	History	Dominion Energy	Dominion Art Exhibit	\$10,000	\$ -	\$ -
Durrell, P.	Physics & Astronomy	NASA via SIUE	CosmoQuest: Funding increase	\$4,984	\$23,516	\$ -
Genna, D.	Chemistry	American Chemical Society	Summer Undergraduate Research Fellowship	\$5,000	\$ -	\$ -
Howell, C.	Office of the Dean	Youngstown Schools	Graduate Assistant Internships	\$70,000	\$ -	\$ -
Hripko, M.	REDI	Ohio Dept. of Higher Ed.	Support for the Regional Economic Development Initiative (formerly Center for Urban & Regional Studies) Year 2 of 2	\$75,000	\$ -	\$ -
Hughes, T.	Sociology, Anthro, and Gerontology	Gerontological Society of America	Careers in Aging Week at YSU	\$400	\$ -	\$ -
Hunter, A.	Chemistry	Ohio Supercomputer Center	Computational Research Projects for Developing New Methods and Studying Macromolecular Systems	Use of Equip	\$ -	\$ -
Keown, D.	Music	Society for Education and Music Psychology Research	Continuous Reponse Digital Interface	\$4,288	\$127	\$ -
Licata, B.J.	Dean's Office	Small Business Development	Small Business Development Center	\$387,000	\$ -	\$314,280
Lyons, J.	Health Professions	Community Foundation of the Mahoning Valley	YSU Senior Youth Mentorship Program (Continuing Funding)	\$10,000	\$900	\$10,000
Marchionda, D.	REDI	Wean Foundation	Regional Economic Development Initiative	\$180,000	\$9,000	\$0
Marchionda, D.	REDI	National Endowment for the Arts	Technical Assistance: inPLACE	Technical Assistance	\$ -	\$ -
Marchionda, D.	REDI	Mercy Health Foundation	YSUscape Blight Club Operating Support	\$5,000	\$ -	\$ -
McCartney, R.	REDI	Appalachian Regional Commission	Mahoning Valley Innovation and Commercialization Center	\$39,317	\$11,331	\$19,073
McNicholas, R.	Campus Recreation	American Cancer Society	Campus Smoking Initiative - Signage	\$5,000	\$ -	\$ -
Michaliszyn, S.	Human Performance and Exercise Science	Western Reserve Health Foundation	University-clinical partnership to reduce health disparities through activity and nutrition (Ucan)	\$27,900	\$5,300	\$27,999
Min, J.	Biological Sciences	NASA	Developing Computational Pipelines for Integrating Omic Data into Publicly Available Knowledge-Bases	\$244,865	\$46,239	\$ -

Prieto-Langarica, A.	Mathematics	National Science Foundation	Multicellular Invitro and Agent-Based Models of Bone Remodeling	\$512,833	\$101,850	
Protivnak, J.	Counseling, Special Ed., School Psych.	Human Resources and Services Admin	Behavioral Health Workforce Education and Training for Paraprofessionals and Professionals	\$242,856	\$17,989	\$ -
Renne, I.	Biological Sciences	University of Pittsburgh	Pymatuning Ecology Collaborative	\$2,000	\$ -	\$ -
Saunders-Smith, G.	Teacher Education	U.S. Dept. of Education	Avoiding the summer slide, using books to build the bridge: An innovative approach to literacy utilizing a partnership model with YSU and Youngstown City Schools	\$500,000	\$39,000	\$ -
Sharma, S.	Civil/Environmental Eng.	NOAA - Sea Grant	Investigating Temporal and Spatial Variability of Streamflow and Salinity Level in the Mentor Marsh Watersheds for Phragmites Control and Ecological Benefit	\$9,993	\$1,838	\$1,819
Wagner, N.	Nursing	Eastern Ohio Area Health Ed. Center	Nursing Success! (not duplicative)	\$1,150	\$ -	\$ -
Wallace, D.	Mechanical & Industrial Engineering	Appalachian Regional Commission	Flexible Hybrid Electronics Manufacturing Facility	\$250,000	\$ -	\$ -
<b>TOTAL</b>				<b>\$4,415,558</b>	<b>\$429,883</b>	<b>481,252</b>

## Proposals Funded from External Agencies

Fourth Quarter Report – FY2015-16

April 1, 2016 to June 30, 2016

PI/PD	Dept.	Agency	Title	Amt. Awarded	Indirect Costs	YSU Cost Share
Beverly, M.	Center for Student Prog.	Wean Foundation	Bridge Program for Entering Freshmen	\$ 20,000	\$ -	\$ -
Bralich, J.	REDI	Nelson Dvt WRTA	Nelson Development WRTA 2015 Mapping	\$ 4,195	\$ -	\$ -
Bralich, J.	REDI	YNDC	YNDC Planning Services Contract	\$ 8,200	\$ -	\$ -
Bralich, J.	REDI	Mercy Health	Mercy Health 3E 8C Mounted Mapping	\$ 922	\$ -	\$ -
Conner, B.	Mechanical & Industrial Eng.	Air Force Research Lab via America Makes	Maturation of Advanced Manufacturing for Low Cost Sustainment	\$ 4,050,000	\$370,922	\$ -
Crist, M.	CCAC-Music	National Endowment for the Arts	inPlace - City of YOUNGSTOWN	\$ 100,000	\$ 16,890	\$ 50,000
DeBlasio, D.	History	Dominion Energy Ohio	Dominion Art Exhibit	\$ 10,000	\$ -	\$ -
Genna, D.	Chemistry	American Chemical Society	Summer Undergraduate Research Fellowship	\$ 5,000	\$ -	\$ -
Huber, M.	Accounting and Finance Dept.	Institute of Mgmt Accountants	Neuroaccounting: Using the EEG to study the development of accounting expertise	\$ 5,000	\$ -	\$ -
Hughes, T.	Sociology Anthropology Gerontology Dept	Univ of Pittsburgh (via NIH)	Mild Cognitive Impairment: A Prospective Community Study	\$ 33,733	\$ 9,893	\$ -
Hughes, T.	Sociology Anthropology Gerontology Dept	Gerontological Society of America	Careers in Aging Week at YSU	\$ 400	\$ -	\$ -
Islam, A.	Environmental and Chemical Engineering	Ohio Department of Transportation	Hydraulic Engineering Research On-Call Services (ROC) Task 5: Pier Encasement Effect on Headwater Elevation	\$ 26,154	\$ 7,632	\$ -
King, T.	Office of the Dean	NeoMed (via U.S. HHS)	MEDTAPP: Medicaid Technical Assistance and Policy Program	\$ 16,500	\$ 1,500	\$ -
LaVine, M.	Health and Physical Education Teacher Education	Ohio Department of Education	Building Sustainable Clinical Partnerships with Urban Schools	\$ 66,034	\$ 4,891	\$ -
Marchionda, D.	REDI	Mercy Health Foundation	YSUscape Blight Club Operating Support	\$ 5,000	\$ -	\$ -
O'Dell, V.	Nursing	DHHS/HRSA	YSU - NAT Program 2016	\$ 19,146	\$ -	\$ -
Renne, I.	Biological Sciences	Univ of Pittsburgh	Pymatuning Ecology Collaborative	\$ 2,000	\$ -	\$ -

Sharma, S.	Civil/Environmental Eng.	NOAA - Sea Grant	Investigating Temporal and Spatial Variability of Streamflow and Salinity Level in the Mentor Marsh Watersheds for Phragmites Control and Ecological Benefit	\$ 9,993	\$ 1,838	\$ 1,819
Wagner, N.	Nursing	Eastern Ohio Area Health Education Center	Nursing Success!	\$ 1,150	\$ -	\$ -
<b>TOTAL</b>				<b>\$4,383,427</b>	<b>\$413,566</b>	<b>\$51,819</b>

## EXECUTIVE SUMMARY

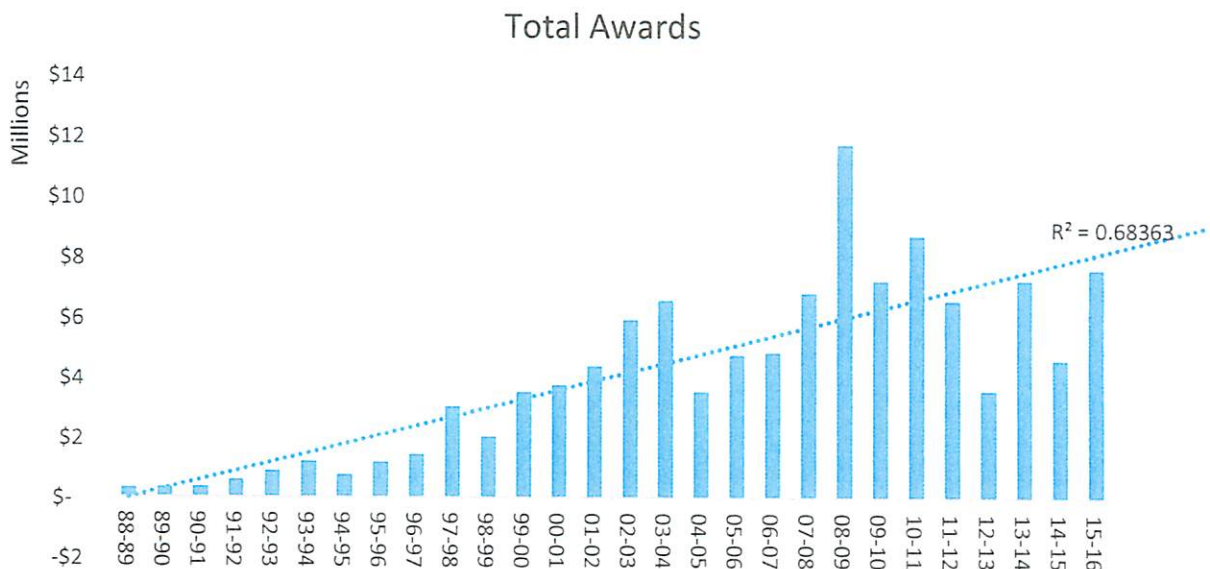
Fiscal Year Report 2015-16  
July 1, 2015 to June 30, 2016

Fiscal Year 2015-16 saw tremendous change within the unit. The Office of Grants and Sponsored Programs experienced staffing changes and significant updates. An infrastructure has also been developed to track proposals, compliant with the Federal requirements put forth by the Uniform Guidance in Title 2 CFR 200. Gap analyses continue to be studied to find additional ways in which the unit can be expanded and enhanced to better serve the institution.

OGSP has managed a record-breaking 178 grant projects in FY15-16. This represents a 34% increase over last FY, and 10% more projects in quantity than YSU's record set in FY09-10. OGSP managed 83 awards, representing a 24% increase in the quantity of awards managed over the previous FY. Additional growths were seen in the research integrity functions, including a record-breaking 202 IRB protocols processed for the fiscal year, an increase of 5% over last fiscal year. The only decrease which was seen was in IACUC, which processed four (4) protocols, or one less than the previous fiscal year.

Additionally, FY15-16 year experienced the largest grant award to the institution, the largest Federal grant award to the College of Creative Arts and Communications, and the most subawards issued from the institution than any previous fiscal year.

<b>Comparative Data:</b>	<b>FY2014-15</b>	<b>FY2015-16 YTD</b>
Total Dollars Requested	\$25,335,950	\$29,250,789 (+15%)
Total Dollars Received	\$4,602,689	\$7,515,061 (+63%)
Total Projects Administered	133	178 (+34%)
Total Projects Awarded	67	83 (+24%)
Total IRB Protocols	192	202 (+ 5%)
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FY Average Request (Trimmed Mean)		\$121,003
FY Average Award (Trimmed Mean)		\$44,393
FY Proposal Success Rate (with Outliers Included)		46%





<b>Quantity of Research Activities by Funding Agency</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Federal	71	61	42	51	55	73
State	41	29	25	28	32	39
Private	12	9	11	15	15	15
Local	9	17	17	9	17	21
Industry	0	3	11	6	6	4
Assoc.	3	9	7	15	8	26
<b>TOTAL</b>	<b>136</b>	<b>128</b>	<b>113</b>	<b>124</b>	<b>133</b>	<b>178</b>

<b>Quantity by Award Status</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Funded	65	60	43	60	67	83
Not Funded	71	68	70	67	66	33
Pending	0	0	0	0	0	62
In Prep.	0	0	0	0	0	0
<b>TOTAL</b>	<b>136</b>	<b>128</b>	<b>113</b>	<b>124</b>	<b>133</b>	<b>178</b>

<b>Total Grant Activities Funded by Sponsor</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Federal	32	22	14	19	15	24
State	19	18	7	19	22	17
Private	8	7	5	8	6	10
Local	6	10	11	6	16	18
Industry	0	1	5	3	3	3
Assoc.	0	2	1	5	5	11
<b>TOTAL</b>	<b>65</b>	<b>60</b>	<b>43</b>	<b>60</b>	<b>67</b>	<b>83</b>

<b>Total Dollars Requested</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Funded	\$ 8,684,702	\$ 6,532,187	\$ 3,553,670	\$ 7,213,042	\$4,602,689	\$7,515,061
Not Funded	\$33,061,140	\$20,326,840	\$16,984,254	\$11,707,319	\$20,733,261	\$7,434,103
Pending	\$ -	\$ -	\$ -	\$ -	\$ -	\$14,301,625
In Prep.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>\$41,745,842</b>	<b>\$26,859,027</b>	<b>\$20,537,924</b>	<b>\$18,920,361</b>	<b>\$25,335,950</b>	<b>\$29,250,789</b>

<b>Total Dollars Funded by Sponsor</b>	
	<b>FY15-16</b>
Federal	\$2,162,646
State	\$ 880,005
Private	\$4,119,720
Local	\$ 175,977
Industry	\$ 16,900
Assoc.	\$ 159,813
<b>TOTAL</b>	<b>\$7,515,061</b>

<b>Grant Activities by Academic College</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Education	7	5	4	8	14	24
Business	6	9	6	4	7	3
HHS	9	9	9	8	16	18
CLASS	5	7	4	5	9	16
CCAC	11	17	8	4	2	6
STEM	61	40	44	60	66	76
General	37	41	38	35	19	35
<b>TOTAL</b>	<b>136</b>	<b>128</b>	<b>113</b>	<b>124</b>	<b>133</b>	<b>178</b>

<b>Quantity of Grant Awards by Academic College</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Education	3	3	3	6	11	11
Business	4	5	1	3	6	2
HHS	4	4	3	3	6	12
CLASS	4	3	2	4	5	12
CCAC	4	8	6	2	2	4
STEM	21	12	11	21	18	19
General	25	25	17	21	19	23
<b>TOTAL</b>	<b>65</b>	<b>60</b>	<b>43</b>	<b>60</b>	<b>67</b>	<b>83</b>

<b>Dollars Awarded by Academic College</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Education	\$471,176	\$33,375	\$22,440	\$65,833	\$968,491	\$1,141,871
Business	\$476,915	\$512,042	\$323,000	\$244,204	\$457,650	\$285,400
HHS	\$71,819	\$339,630	\$34,870	\$291,293	\$173,209	\$319,286
CLASS	\$23,068	\$19,076	\$17,444	\$34,070	\$51,045	\$223,237
CCAC	\$170,911	\$241,393	\$212,889	\$154,719	\$156,927	\$202,554
STEM	\$5,587,141	\$3,781,424	\$1,625,240	\$5,065,335	\$1,892,113	\$4,762,366
General	\$1,883,672	\$1,605,247	\$1,317,787	\$1,357,588	\$903,254	\$580,347
<b>TOTAL</b>	<b>\$8,684,702</b>	<b>\$6,532,187</b>	<b>\$3,553,670</b>	<b>\$7,213,042</b>	<b>\$4,602,689</b>	<b>\$7,515,061</b>

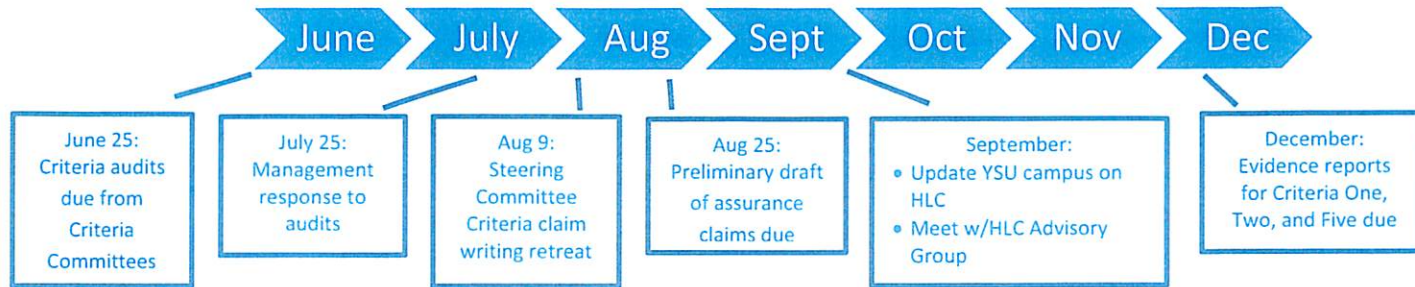
<b>Human Subject and Animal Protocols by Quantity</b>						
	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
IACUC-Animal	6	5	6	6	5	4
IRB-Human	186	194	190	166	192	202
<b>TOTAL</b>	<b>192</b>	<b>199</b>	<b>196</b>	<b>172</b>	<b>197</b>	<b>206</b>

## HIGHER LEARNING COMMISSION (HLC) UPDATE SEPTEMBER 2016

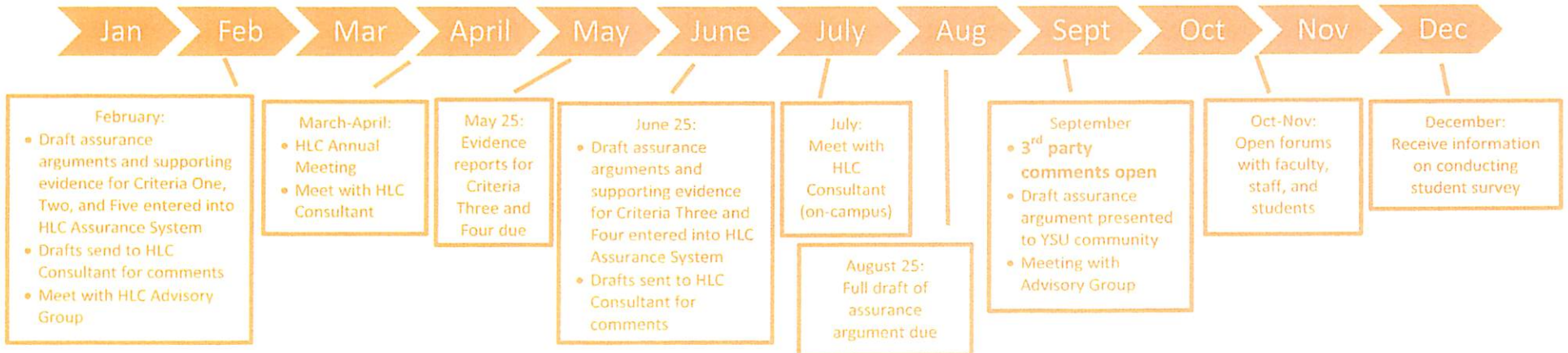
- The HLC Steering Committee has refined its timeline (see attached) to the reaccreditation site visit on March 26-27, 2018.
- The HLC Steering Committee has been working throughout the spring and summer semesters to perform audits of YSU's strengths and challenges in relation to the HLC Assumed Practices of the Criteria for Accreditation, the Federal Compliance requirements, and the five HLC Criteria for Accreditation.
- The audit of the Assumed Practices of the Criteria for Accreditation has been completed and submitted to the Provost for consideration.
- The audit of Criterion One has been completed and submitted to the Provost.
- Audits of Criterion Two and Criterion Five will be finalized and submitted to the Provost in fall 2016. Audits of Criterion Three and Criterion Four will be finalized and submitted to the Provost by March 1, 2017.
- The HLC Steering Committee participated in a full-day Writing Retreat on Tuesday, August 9, 2016, to begin composing rough drafts of the five parts of the Assurance Argument. Drafting will continue during fall 2016.
- At the Writing Retreat, Hillary Fuhrman, Director of Assessment, shared preliminary data and results of the YSU responses to *The Chronicle of Higher Education's* Great Colleges to Work For survey, conducted in spring 2016. The Great Colleges survey will assist YSU campus leaders in identifying the university's significant areas of challenge. Members of the HLC Steering Committee discussed the need for the Tod Hall Leaders to act quickly to address the areas of challenge revealed by the survey.
- Beginning in fall 2015, the Provost's Office undertook the review of every YSU part-time faculty member's qualifications and credentials according to the HLC Faculty Credentials Guidelines as well as the Ohio Department of Higher Education's expectations for all full-time and part-time instructors. As of August 12, 2016, 798 part-time faculty members have been certified as meeting the HLC and ODHE requirements. The Office of the Provost expects to complete the review of active part-time faculty credentials in summer 2016. Review will continue on an ongoing basis.

# HLC Visit Preparation Timeline

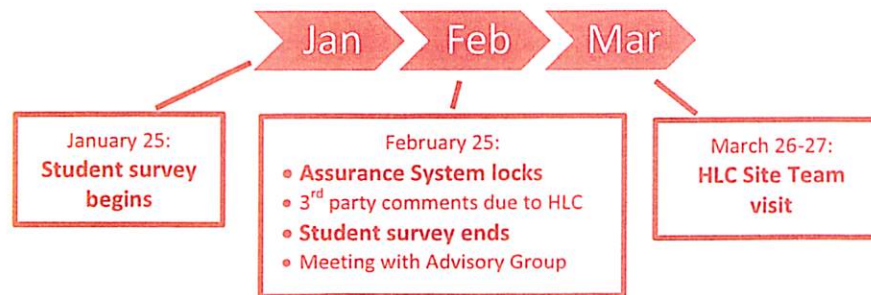
## 2016



## 2017



## 2018



Bold indicates HLC actions