
City of Cedar Rapids

Historic Preservation Commission

Community Development & Planning Department, City Hall, 101 First Street SE, Cedar Rapids, IA 52401, 319-286-5041

MEETING NOTICE

The City of Cedar Rapids Historic Preservation Commission will meet at:

4:30 P.M.

Thursday, March 13, 2014

in the

Collins Conference Room, City Hall

101 First Street SE, Cedar Rapids, Iowa

AGENDA

Call Meeting to Order

Public Comment

Each member of the public is welcome to speak and we ask that you keep your comments to five (5) minutes or less. If the proceedings become lengthy, the Chair may ask that comments be focused on any new facts or evidence not already presented.

1. Approve Meeting Minutes

2. Action Items

- a) DEMOLITION Applications (*15 minutes*)
 - i. 127 28th Street Drive SE – Private Property – Previewed on 10/10/13
 - ii. 305 13th Street SW – Private Property
 - iii. 1300 M Street SW – Private Property
- b) Certificates of Appropriateness (COAs) (*15 minutes*)
 - i. 1515 2nd Avenue SE – Replace siding and windows

3. New Business

- a) Citywide, Downtown, and Commercial/Industrial Surveys (*45 minutes*)
- b) Kirkwood Historic Preservation Curriculum Approval (*15 minutes*)
- c) Development Committee Debrief and Next Steps (*5 minutes*)
- d) EnvisionCR Comprehensive Plan Kick-off – March 26th

4. Old Business

- a) COA Applications UNDER REVIEW (*5 minutes*)
 - i. 1527 2nd Avenue SE – DEMOLITION WITHIN LOCAL HISTORIC DISTRICT

5. Adjournment

FUTURE MEETINGS

Items for future agendas:

- a) Selection of structures for historic structure reports
- b) ROOTs homes in Wellington Heights
- c) Upcoming Ordinance Updates for Development Committee

MINUTES
HISTORIC PRESERVATION COMMISSION REGULAR MEETING,
Thursday, February 13, 2014 @ 4:30 p.m.

Collins Conference Room, City Hall, 101 First Street SE

Members Present: Amanda McKnight-Grafton Chair
Todd McNall Vice-Chair
Pat Cargin (Via Telephone)
Bob Grafton
Ron Mussman
Tim Oberbroeckling
Mark Stoffer Hunter
Barbara Westercamp

Members Absent: Mary Elizabeth Spreitzer

City Staff: Thomas Smith, Planner
Gary Kranse, Community Development Director
Kevin Ciabatti, Building Services Director
Jeff Hintz, Planner
Alicia Abernathy, Administrative Assistant

Guests: Cindy Hadish

Call Meeting to Order

- Amanda McKnight-Grafton called the meeting to order at 4:30 p.m.
- Eight (8) Commissioners were present with one (1) absent.

Mark Stoffer Hunter arrived at 4:31 p.m.

1. Approve Meeting Minutes

- Todd McNall made a motion to approve the minutes from January 9, 2014. Tim Oberbroeckling seconded the motion. The motion passed unanimously.

2. Action Items

a. COA Applications

- i. 1700 Grande Avenue SE – Replace front porch and remove windows on 2nd floor closed in porch**
 - Thomas Smith stated the property is located in the Redmond Grande Historic District and the owner would like to replace the porch and remove windows from the porch on the second level. The owner intends to preserve the wood square columns on the

ends of the porch but would like to replace the two larger columns in the middle of the porch. The replacement columns will be fiberglass columns that are round and fluted with ionic capitals. The owner would also like to replace the wrought iron railing with a balustrade railing on the main level porch. There will also be a balustrade railing on the second level when the porch is opened up.

- Discussion included the previous uses of the home, the possibility that the porch on the second level may have been open in the past, and how removing the windows on the second level will enhance the columns.
- Todd McNall made a motion to approve the COA application for 1700 Grande Avenue SE to replace the deteriorated wood columns with round, fluted, ionic capital fiberglass columns; remove the windows from the second level porch; and remove wrought iron railing and replace with balustrade. Tim Oberbroeckling seconded the motion. The motion passed unanimously.

3. New Business

a. Certified Local Government (CLG) Annual Report Information

- Mr. Smith stated every year the City has to file a Certified Local Government Report with the State Historic Preservation Office. Within the report members of the commission need to demonstrate the trainings they attended. Mr. Smith requested HPC members complete the forms and return them no later than February 27th.

b. HPC Community Care Day

- Amanda McKnight-Grafton presented an idea to have a HPC Community Care Day where HPC members and other volunteers could donate their time to assist in projects to help with curb appeal for properties in historic districts. Projects could include planting flowers, painting houses, etc.
- Discussion included getting involvement from other organizations including Save CR Heritage and non-profits, having the event in May as May is national preservation month, getting neighborhood associations involved and partnering with organizations that can assist in funding aspects.

4. Old Business

a. MOA/LOA Project Status Update

- Mr. Smith provided an update on all MOA/LOA projects.

b. 15 Day Review Period and Other Ordinance Changes – Status Update and Options

- Mr. Smith explained the process for ordinance changes and presented two options for HPC consideration on how they would like to handle proposed ordinance changes.
 - **OPTION A** - Have Development Committee begin ordinance item reviews
 - 15 business day review period extension – Feb. 26 Development Committee
 - Over following months:
 - Accessory structure demolition review
 - Partial demolition review
 - Ornamentation in historic districts
 - **OPTION B** - Coordinate ordinance changes with professional consultant during comprehensive historic preservation plan development
 - Plan includes review of all existing ordinances and guidelines
 - Consultant under contract, development to start in March
- Discussion included pros and cons for each option. Discussion also included switching the 60 day review period to a 55 day review period.

- Tim Oberbroeckling made a motion to go with Option A leaving a 60 day review period. Barbara Westercamp seconded the motion. The motion passed unanimously.
- c. 2014 Preserve Iowa Summit Update**
 - Ms. McKnight-Grafton provided an update on progress made for the 2014 Preserve Iowa Summit including speakers, tours, etc.
- d. Local Historic District Street Signage**
 - Mr. Smith stated Community Development staff will meet with Public Works staff in the coming weeks to discuss options for historic district signage.

Barbara Westercamp left the meeting at 6:04 p.m.

- Discussion included the possibility of getting an inventory of current historic district signage, the funding available, and compatibility with existing street signs.
- e. COA Applications UNDER REVIEW**
 - i. 1527 2nd Avenue SE – DEMOLITION WITHIN LOCAL HISTORIC DISTRICT**
 - Bob Grafton stated the lien on the property has been released.

5. Adjournment

- Tim Oberbroeckling made a motion to adjourn the meeting at 6:16 p.m. Todd McNall seconded the motion. The motion passed unanimously.

Respectfully Submitted,

Alicia Abernathey, Administrative Assistant II
Community Development

ACTION ITEMS

* 3/13/14 Next HPC *



City of Cedar Rapids
Code Enforcement Division
 1201 6th St SW Cedar Rapids, IA 52404
 Main Phone: (319) 286-5831 Fax: (319) 286 5830

DEMOLITION PERMIT APPLICATION

Address of Demolition: 127 28th St Dr NE (CR)		Approximate Age of Structure Year Built: 1910
GPN: 14142-29001-00000	Reason: (optional)	Future Plans: (optional) New Comm Bldg.
Property Owners Name: Corner House Properties LLC		Phone: 319-899-2907
Property Owners Address: 1641 Boyer Sq Dr		City / State / Zip Code Hiawatha IA 52233
Contractor's Name: Bushman Excavating Inc		Phone: 319-551-8092
Contractor's Address: 600 Fairfax Rd Fairfax IA		City / State / Zip Code 52228
Type of Building:	<input type="checkbox"/> Single Family	<input checked="" type="checkbox"/> Multi Family # 2 Units
	<input type="checkbox"/> Commercial	<input type="checkbox"/> Accessory Building
Size of Building: Dimensions are: 1696 Sq Ft Number of Stories: 1 1/2 Height: 18'		
Building has Basement: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No if Yes, What Dimensions: 20 x 30		
DISPOSAL OF DEMOLITION MATERIALS		
<input checked="" type="checkbox"/> City of Cedar Rapids Landfill	<input type="checkbox"/> Private Landfill - Contact:	Phone #::
Address:		
It is the Responsibility of the Permit Holder to adhere to all Local, State And Federal Regulations regarding proper Inspections and Removal of Asbestos prior to any Demolition.		
UTILITIES INFORMATION		
All utilities shall be abandoned in accordance with City requirements and verified and/or inspected before Demolition Permit is issued and demolition begins.		
I hereby certify that I have read and examined this application and affirm the above information as true and correct and also agree to comply with the provisions of the City of Cedar Rapids Codes and any other applicable Federal & State laws concerning the demolition process and/or disposal of demolition debris. I also certify that I am authorized to demolish this building as owner or agent of the owner and agree to assume complete responsibility for any liability arising from demolition of the above building. I also agree that no burning or burying of materials shall be done within the Corporate City Limits of Cedar Rapids.		
APPLICANT'S SIGNATURE: <i>War Bushman</i>		DATE: 2/22/14
OFFICE USE ONLY		
UTILITIES DISCONNECTION INFORMATION & APPROVALS		
Water:	Alliant Energy:	
Sewer:	Mid-American Energy:	
Public Works:	MediaCom:	
CED:	Other:	
Zoning:	Other:	
PERMITTING INFORMATION		
Demolition Permit Number:	Date Issued:	
Demolition Permit Fee: \$	Date Paid:	
Zoning District:	Date All Utilities Were Disconnected:	
Permit Issued by:	Date Signed:	

Print report.

Appraisal Summary - GPN: 14142-29001-00000

(141422900100000)

Property Address: 127 28TH ST DR SE
Cedar Rapids, IA



[Additional Photos...](#)

Class: RESIDENTIAL **Tax District:** 201

PDF: Res Permit Region 5 **Neighborhood:** SE

Plat Map: 2021

Deed Holder: CORNERHOUSE
PROPERTIES LLC

Mailing Address:

1641 BOYSON
SQUARE DR STE
100
HIAWATHA IA 52233-
0000

Legal Description: HEDGES 1ST (LESS ST) E 78' STR/LB 16 1

Homestead: **Military:**

If you have recently purchased your home, please [click here to apply for the Residential Homestead Tax Credit](#).

Click map to see neighbor's summary page.
[View complete GIS map.](#)
[Neighborhood map](#)

LOT INFORMATION

[Scroll down for sketch.](#)

Disclaimer: Assessor's lot sizes are for assessment purposes only and may NOT represent actual dimensions. For more accurate, complete data refer to GIS maps, plat maps, or legal documents.

SEGMENT #1	Front	Rear	Side 1	Side 2
	78	78	85	85

RESIDENTIAL DWELLING

Occupancy: Two-Family Conversion

Style: 1 1/2 Story Frame

Year Built: 1910

Exterior Material: Alum

Above-Grade Living Area: 1,646 SF

Number Rooms: 9 above, 0 below

Number Bedrooms: 3 above, 0 below

Basement Area Type: Full

Basement Finished Area: 0 SF

Number of Baths: 2 Full Bath; 1 Sink

Central Air: Yes

Heat: FHA - Gas

Number of Fireplaces: None

Garage: 440 SF - Det Frame (Built 1990)

Porches and Decks: 1S Frame Enclosed (133 SF); 1S Frame Open (336 SF)

Yard Extras: None

NOTES:

PRE RVAL:2 APTS. X-PLMB=1 BT, SK. BI=2 GD.

05/18/2004-ABOVE NORMAL COSMETICS, INTERIOR & EXTERIOR. 1960'S KITCHEN, BATH 1970, SIDING 1980±, ROOF 1988±, FURNACE 2000, 1-AC 2000, 1-AC 2001. 2 ELET METERS, 2 GAS METERS.

1-2012 RESHINGLED TWO-FAMILY CONVERSION - NAV. 10/6/11 JA

1-2013 6YR CYCLE. EST. NO CHANGES 3/16/2012 AE 1-2013 - HOMEOWNERS QUESTIONNAIRE MAILED 12/7/12 NO CHANGES PER MAILER 12/11/2012 AE

2013 ASSESSMENT

Land	\$24,024
Dwelling	\$91,078
Improvements	\$0
Total	\$115,102

SALES

Date	Type	Volume/Page	\$ Amount
10/1/2013	Deed	8813/170	\$135,000
6/30/1987	Deed	1913/389	\$0

2012 ASSESSMENT

Land	\$24,024
Dwelling	\$91,078
Improvements	\$0
Total	\$115,102

PERMITS

Date	Description
9/19/2011	REPAIR

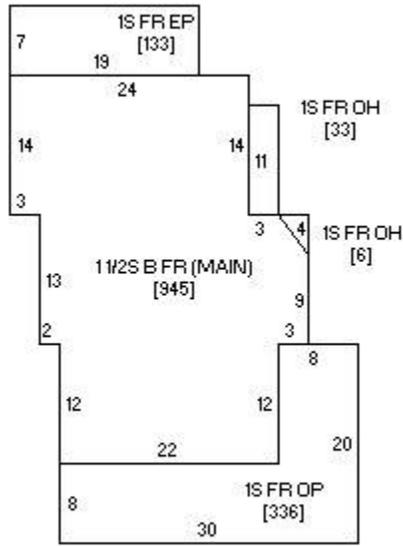
2011 ASSESSMENT

Land	\$24,024
Dwelling	\$91,078
Improvements	\$0
Total	\$115,102

2010 ASSESSMENT

Land	\$24,024
Dwelling	\$91,078
Improvements	\$0
Total	\$115,102

Sketch



[Tax History](#) [Pay Taxes](#)

Disclaimer: The information in this web site represents current data from a working file which is updated continuously. Information is believed reliable, but its accuracy cannot be guaranteed. The maps and data provided by this web site, represent data from the Cedar Rapids City Assessor's Office, as used for assessment purposes. No warranty, expressed or implied, is provided for the data herein or its use.

Property photos or data incorrect? [Click Here](#)



City of Cedar Rapids
Code Enforcement Division
 1201 6th St SW Cedar Rapids, IA 52404
 Main Phone: (319) 286-5831 Fax: (319) 286 5830

DEMOLITION PERMIT APPLICATION

Address of Demolition: <i>305 13th STREET SW CEDAR RAPIDS, IA</i>		Approximate Age of Structure Year Built: <i>1895</i>
GPN: <i>14293-01035-00000</i>	Reason: (optional) <i>DEMOLITION</i>	Future Plans: (optional) <i>N/A</i>
Property Owners Name: <i>GOOD NEWS BAPTIST CHURCH</i>		Phone: <i>N/A</i>
Property Owners Address: <i>1203 3RD AVE SW</i>		City / State / Zip Code <i>CEDAR RAPIDS IA 52404</i>
Contractor's Name: <i>D.W. ZLUSER COMPANY</i>		Phone: <i>319-846-8090</i>
Contractor's Address: <i>1775 COMMERCIAL DR</i>		City / State / Zip Code <i>WATERLOO IA 52251</i>
Type of Building:	<input checked="" type="checkbox"/> Single Family	<input type="checkbox"/> Multi Family # _____ Units _____
	<input type="checkbox"/> Commercial	<input type="checkbox"/> Accessory Building
Size of Building: Dimensions are:	<i>28 x 22</i>	Number of Stories: <i>1</i> Height: <i>12</i>
Building has Basement:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No if Yes, What Dimensions: <i>28 x 22</i>
DISPOSAL OF DEMOLITION MATERIALS		
<input checked="" type="checkbox"/> City of Cedar Rapids Landfill	<input type="checkbox"/> Private Landfill - Contact:	Phone #:
Address:		
It is the Responsibility of the <u>Permit Holder</u> to adhere to all Local, State And Federal Regulations regarding proper Inspections and Removal of Asbestos prior to any Demolition.		
UTILITIES INFORMATION		
All utilities shall be abandoned in accordance with City requirements and verified and/or inspected before Demolition Permit is issued and demolition begins.		
I hereby certify that I have read and examined this application and affirm the above information as true and correct and also agree to comply with the provisions of the City of Cedar Rapids Codes and any other applicable Federal & State laws concerning the demolition process and/or disposal of demolition debris. I also certify that I am authorized to demolish this building as owner or agent of the owner and agree to assume complete responsibility for any liability arising from demolition of the above building. I also agree that no burning or burying of materials shall be done within the Corporate City Limits of Cedar Rapids.		
APPLICANT'S SIGNATURE: <i>[Signature]</i>	DATE: <i>3-10-14</i>	
OFFICE USE ONLY		
UTILITIES DISCONNECTION INFORMATION & APPROVALS		
Water:	Alliant Energy:	
Sewer:	Mid-American Energy:	
Public Works:	MediaCom:	
CED:	Other:	
Zoning:	Other:	
PERMITTING INFORMATION		
Demolition Permit Number:	Date Issued:	
Demolition Permit Fee: \$	Date Paid:	
Zoning District:	Date All Utilities Were Disconnected:	
Permit Issued by:	Date Signed:	

Print report.

Appraisal Summary - GPN: 14293-01005-00000

(142930100500000)

Property Address: 305 13TH ST SW
Cedar Rapids, IA



[Additional Photos...](#)

Class: RESIDENTIAL **Tax District:** 201 CR

PDF: Res Permit Region 10 **Neighborhood:** SW 405

Plat Map: 2527

Deed Holder: GOOD NEWS
BAPTIST CHURCH

Mailing Address:
1203 3RD AVE SW
CEDAR RAPIDS IA
52404-0000

Legal Description: A.P. #192 STR/LB 5

Homestead: **Military:**

If you have recently purchased your home, please [click here to apply for the Residential Homestead Tax Credit](#).

Click map to see neighbor's summary page.

[View complete GIS map.](#)
[Neighborhood map](#)

LOT INFORMATION

[Scroll down for sketch.](#)

Disclaimer: Assessor's lot sizes are for assessment purposes only and may NOT represent actual dimensions. For more accurate, complete data refer to GIS maps, plat maps, or legal documents.

SEGMENT #1	Front	Rear	Side 1	Side 2
	50	50	136	136

RESIDENTIAL DWELLING

Occupancy: Single-Family

Style: 1 1/2 Story Frame

Year Built: 1895

Exterior Material: Vinyl

Above-Grade Living Area: 1,311 SF

Number Rooms: 7 above, 0 below

Number Bedrooms: 3 above, 0 below

Basement Area Type: Full

Basement Finished Area: 0 SF

Number of Baths: 1 Full Bath

Central Air: No

Heat: FHA - Gas

Number of Fireplaces: None

Garage: None

Porches and Decks: Wood Deck-Med (100 SF); 1S Frame Enclosed (100 SF)
Yard Extras: None

NOTES:

PRE RVAL: BATH 1ST FL. UNFINISHED BSMT 6' CEILING.

01/13/2004-BSMT-6' CLG. 1ST FLR BATH HAS OLDER TUB & WATER CLOSET, 2ND FLR FLRS SAG. ORIGINAL WINDOWS. 1990'S CABINETS & SIDING. FURNACE 2001. ROOF 2002. AC 2004. FENCED YARD.

1-2010 REPLACED EXISTING FHA/WTR - NAV. CONFIRMED EXTERIOR LISTING. CONFIRMED LISTING WITH INFO FROM OWNER JA

1-2010 BOARD OF REVIEW PETITION #210 REDUCE TO \$77,000

1-2011 6YR CYCLE - NO CHANGES; INFO PER OWNER - 11/8/2010 CLP

1-2013 REMOVE 2010 BOR ACTION. 1/21/13 JKB

1-2014 CHANGE MAP ARE FROM SW 404 TO SW 405. 12/30/13 JKB

1 - 2014 MAP FACTOR ADJUSTED DUE TO MARKET CONDITION

2014 ASSESSMENT

Land \$21,463
 Dwelling \$64,682
 Improvements \$0
Total \$86,145

SALES

Date	Type	Volume/Page	\$ Amount
5/22/2013	Deed	8691/74	\$72,000
5/22/2013	Deed	8691/73	\$0
3/27/2009	Deed	7237/426	\$77,000
1/30/2004	Contract	5614-50	\$80,800
1/30/2004	Deed	5552-558	\$80,800
11/23/1999	Deed	4011/139	\$64,950

2013 ASSESSMENT

Land \$21,038
 Dwelling \$62,639
 Improvements \$0
Total \$83,677

PERMITS

Date	Description
8/27/2012	REPAIR
9/12/2009	REPAIR
6/20/2002	ROOF
4/16/2001	FENCE
11/14/2000	FURNACE

2012 ASSESSMENT

Land \$20,624
 Dwelling \$56,376
 Improvements \$0
Total \$77,000

2011 ASSESSMENT

Land \$20,624
 Dwelling \$56,376
 Improvements \$0
Total \$77,000

Sketch

W D DK 10 [100] 10		
1S FR [96] 12 8	1S B FR [168] 14	
1 1/2S B FR (MAIN) [616] 28 22		
5	20	1S FR EP [100]

[Tax History](#) [Pay Taxes](#)

Disclaimer: The information in this web site represents current data from a working file which is updated continuously. Information is believed reliable, but its accuracy cannot be guaranteed. The maps and data provided by this web site, represent data from the Cedar Rapids City Assessor's Office, as used for assessment purposes. No warranty, expressed or implied, is provided for the data herein or its use.

Property photos or data incorrect? [Click Here](#)



City of Cedar Rapids
Code Enforcement Division
1201 6th St SW Cedar Rapids, IA 52404
Main Phone: (319) 286-5831 Fax: (319) 286 5830

[Handwritten mark]

DEMOLITION PERMIT APPLICATION

Address of Demolition: <i>1300 N STREET SW CEDAR RAPIDS IA</i>		Approximate Age of Structure Year Built: <i>1880</i>	
GPN: <i>14283 - 55019 - 0000</i>		Reason: (optional) <i>DEMO (A.D.S.)</i>	Future Plans: (optional) <i>N/A</i>
Property Owners Name: <i>FEDERAL NATIONAL MORTGAGE ASSOC</i>		Phone: <i>N/A</i>	
Property Owners Address: <i>PO Box 650043</i>		City / State / Zip Code <i>DALLAS TX 75265-0043</i>	
Contractor's Name: <i>D.W. ZENNER COMPANY</i>		Phone: <i>319-846-8090</i>	
Contractor's Address: <i>1775 COMMERCIAL DR</i>		City / State / Zip Code <i>WALFORD IA 52351</i>	
Type of Building:	<input checked="" type="checkbox"/> Single Family	<input type="checkbox"/> Multi Family #	Units
		<input type="checkbox"/> Commercial	<input type="checkbox"/> Accessory Building
Size of Building: Dimensions are:	<i>26 x 27</i>		Number of Stories: <i>12</i>
Building has Basement:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No if Yes, What Dimensions: <i>20 x 24</i>	
DISPOSAL OF DEMOLITION MATERIALS			
<input checked="" type="checkbox"/> City of Cedar Rapids Landfill		<input type="checkbox"/> Private Landfill - Contact: _____ Phone #: _____	
		Address: _____	
It is the Responsibility of the <u>Permit Holder</u> to adhere to all Local, State And Federal Regulations regarding proper Inspections and Removal of Asbestos prior to any Demolition.			
UTILITIES INFORMATION			
All utilities shall be abandoned in accordance with City requirements and verified and/or inspected before Demolition Permit is issued and demolition begins.			
I hereby certify that I have read and examined this application and affirm the above information as true and correct and also agree to comply with the provisions of the City of Cedar Rapids Codes and any other applicable Federal & State laws concerning the demolition process and/or disposal of demolition debris. I also certify that I am authorized to demolish this building as owner or agent of the owner and agree to assume complete responsibility for any liability arising from demolition of the above building. I also agree that no burning or burying of materials shall be done within the Corporate City Limits of Cedar Rapids.			
APPLICANT'S SIGNATURE: 		DATE: <i>3-10-14</i>	
OFFICE USE ONLY			
UTILITIES DISCONNECTION INFORMATION & APPROVALS			
Water:		Alliant Energy:	
Sewer:		Mid-American Energy:	
Public Works:		MediaCom:	
CED:		Other:	
Zoning:		Other:	
PERMITTING INFORMATION			
Demolition Permit Number:		Date Issued:	
Demolition Permit Fee: \$		Date Paid:	
Zoning District:	Date All Utilities Were Disconnected:		
Permit Issued by:	Date Signed:		

Print report.

Appraisal Summary - GPN: 14283-55019-00000

(142835501900000)

Property Address: 1300 M ST SW
Cedar Rapids, IA



[Additional Photo](#)

Class: RESIDENTIAL

Tax District: 283 CR-
YOUNGS
HILL/KINGSTON

PDF: Res Permit
Region 10

Neighborhood: SW 403

Plat Map: 2525

Deed Holder: FEDERAL
NATIONAL
MORTGAGE
ASSOC

Mailing Address:

P O BOX
650043
DALLAS TX
75265-0043

Legal Description: YOUNG'S 1ST STR/LB 5 4

Homestead:

Military:

Click map to see neighbor's summary page.

[View complete GIS map.](#)
[Neighborhood map](#)

If you have recently purchased your home, please [click here to apply for the Residential Homestead Tax Credit.](#)

LOT INFORMATION

[Scroll down for sketch.](#)

Disclaimer: Assessor's lot sizes are for assessment purposes only and may NOT represent actual dimensions.
For more accurate, complete data refer to GIS maps, plat maps, or legal documents.

SEGMENT #1	Front	Rear	Side 1	Side 2
	40	40	127	127

SEGMENT #2: 0 Acres; 0 SF

RESIDENTIAL DWELLING

Occupancy: Single-Family

Style: Salvage

Year Built: 1880

Exterior Material: Vinyl

Above-Grade Living Area: 624 SF

Number Rooms: 6 above, 0 below

Number Bedrooms: 2 above, 0 below

Basement Area Type: Full

Basement Finished Area: 0 SF

Number of Baths: 1 No Bathroom

Central Air: No
Heat: No
Number of Fireplaces: None
Garage: 768 SF - Det Frame (Built 1963)
Porches and Decks: Wood Stoop (20 SF); Wood Deck-Med (161 SF)
Yard Extras: Sheds

NOTES:

PRE RVAL:FuncDesc:OI.:SHED= CONC BLK FDN, MTL WALLS 11/12/2003-FENCED YARD.

1-2009 FLOOD ADJUSTED PROPERTY C-2010

1-2009 LAND VALUE LESS ESTIMATED DEMOLITION COST FOR 2009 C-2010. 1/19/09 JC

1-2010 NO CHANGE - LAND VALUE LESS ESTIMATED DEMOLITION COST FOR 2010 C-4-2011 - 03/04/10 BS

1-2011 6YR CYCLE - NO CHANGE. C-2012. 12/2/10 WK

1-2012 NEW FOUNDATION (NAV - PERMIT FROM 2010); 2/10/2012 CLP

1-2014 NO CHANGE. 11/4/13 JKB

2014 ASSESSMENT

Land	\$5,000
Dwelling	\$0
Improvements	\$0
Total	\$5,000

SALES

Date	Type	Volume/Page	\$ Amount
8/20/2013	Deed	8788/1	\$85,254
10/24/1989	Deed	1950/163	\$0

2013 ASSESSMENT

Land	\$5,000
Dwelling	\$0
Improvements	\$0
Total	\$5,000

PERMITS

Date	Description
1/13/2011	WORK ORDER
9/14/2010	2008 FLOOD
3/18/2010	WORK ORDER
1/23/2009	2008 FLOOD
7/31/2008	2008 FLOOD

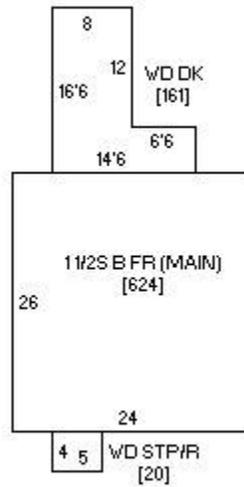
2012 ASSESSMENT

Land	\$5,000
Dwelling	\$0
Improvements	\$0
Total	\$5,000

2011 ASSESSMENT

Land	\$5,000
Dwelling	\$0
Improvements	\$0
Total	\$5,000

Sketch



[Tax History](#) [Pay Taxes](#)

Disclaimer: The information in this web site represents current data from a working file which is updated continuously. Information is believed reliable, but its accuracy cannot be guaranteed. The maps and data provided by this web site, represent data from the Cedar Rapids City Assessor's Office, as used for assessment purposes. No warranty, expressed or implied, is provided for the data herein or its use.

Property photos or data incorrect? [Click Here](#)

CEDAR RAPIDS HISTORIC DISTRICT APPLICATION

Community Development Department, 101 First Street SE, Cedar Rapids, IA 52401, Phone 319-286-5041

<p style="text-align: center;">Owner Information</p> <p>Name <u>FOUNT, LLC</u> Address <u>650 Community Dr. Ste. A</u> City <u>North Liberty</u> State <u>IA</u> Zip <u>52317</u> Phone <u>(319) 400-2357</u></p>	<p style="text-align: center;">Applicant Information</p> <p>Name <u>Anthony Burrier</u> Company <u>FOUNT, LLC</u> Address <u>650 Community Dr. Ste. A</u> City <u>North Liberty</u> State <u>IA</u> Zip <u>52317</u> Home Ph. <u>(319) 400-2357</u> Work Ph. <u>SAME</u></p>
<p>Address of Property where work is to be done: <u>1515 2ND AVE. SE</u></p>	
<p>Project type: House <input checked="" type="checkbox"/>, Garage <input type="checkbox"/>, Shed <input type="checkbox"/>, Fence <input type="checkbox"/>, Addition <input type="checkbox"/>, other _____</p>	
<p>Project description: <u>Replacement of windows and siding.</u></p>	
<p>Location: Describe where (what part of building, or where on property) work will be done: _____ <u>Exterior Siding & windows</u></p>	
<p>Materials: Type and design to be used <u>Vinyl siding to replace Asb/slate</u> <u>Fuel efficient Vinyl windows to replace lead paint/delapidated windows</u></p>	
<p>Estimates required: If you will not be using the same type of materials as already used on the building, then you must obtain two estimates using the existing material(s) and two estimates using the new material(s). <u>Same material not permissible by law & code.</u></p>	
<p>Samples: Applicant must bring a sample of the material(s) to HPC meeting if a COA is required.</p>	
<p>Applicant's signature: </p>	

For Community Development Department use only:

Date Received:	Received by:	File No.
Redmond Park-Grande Avenue <input type="checkbox"/>	Contributing structure? <input type="checkbox"/> Yes <input type="checkbox"/> No	CNME Issued? <input type="checkbox"/> Yes <input type="checkbox"/> No
Second and Third <input type="checkbox"/>	Key structure? <input type="checkbox"/> Yes <input type="checkbox"/> No	COA required? <input type="checkbox"/> Yes <input type="checkbox"/> No

Print report.

Appraisal Summary - GPN: 14222-79013-00000

(142227901300000)

Property Address: 1515 2ND AVE
SE
Cedar Rapids, IA
WITHIN LOCAL
HISTORIC
DISTRICT



[Additional Photos...](#)

Class: RESIDENTIAL **Tax District:** 286 CR-COE/MT
VER C
TIF
PDF: Res Permit
Region 7 **Neighborhood:** SE 231
Plat Map: 2223

Deed Holder: FOUNT LLC

Mailing Address:

760 FAIRVIEW
LANE
NORTH
LIBERTY IA IA
52317-0000

Legal Description: BEVER PARK 1ST SW 30' STR/LB 6 7

Homestead:

Military:

Click map to see neighbor's summary page.

[View complete GIS map.](#)
[Neighborhood map](#)

If you have recently purchased your home, please [click here to apply for the Residential Homestead Tax Credit.](#)

LOT INFORMATION

[Scroll down for sketch.](#)

Disclaimer: Assessor's lot sizes are for assessment purposes only and may NOT represent actual dimensions.
For more accurate, complete data refer to GIS maps, plat maps, or legal documents.

SEGMENT #1	Front	Rear	Side 1	Side 2
	30	30	140	140

RESIDENTIAL DWELLING

Occupancy: Two-Family Conversion
Style: 2 Story Frame
Year Built: 1906
Exterior Material: Asb
Above-Grade Living Area: 1,700 SF
Number Rooms: 6 above, 0 below
Number Bedrooms: 2 above, 0 below
Basement Area Type: Full
Basement Finished Area: 0 SF
Number of Baths: 2 Full Bath; 1 Sink
Central Air: No

Heat: FHA - Gas
Number of Fireplaces: None
Garage: 360 SF - Det Frame (Built 1906)
Porches and Decks: 1S Frame Open (40 SF)
Yard Extras: None

NOTES:

PRE RVAL:FuncDesc: EC.

PRE RVAL:X-PLMB=1 BT, SK. 7/2000: PERMIT EXPIRED, NAV-DP.

11/25/2003-DWLG VACANT AT TIME OF LISTING. KITCHEN REMODELED 2004. GARGE ROOF & DOORS 2004. 1 GAS METER, 3 ELECT METERS.FUNC OBSO 10% LAYOUT, 10% NO SEPARATE GAS.

1-2008 REPAIRS TO GAR , ADD FHA TO HOUSE, NOTICE OF LEAD PAINT IN UPPER UNIT CHANGE C-09 RECHECK 12/6/07 DP

1-2009 NO CHANGE TO DWLG - NAV. 2/24/09 JA

1-2013 6YR CYCLE. EST. NO CHANGES 9/19/2012 AE 1-2013 - HOMEOWNERS QUESTIONNAIRE MAILED 12/7/12 NO CHANGES PER MAILER 12/11/2012 AE

2014 ASSESSMENT

Land \$10,500
 Dwelling \$37,650
 Improvements \$0
Total \$48,150

SALES

Date	Type	Volume/Page	\$ Amount
2/28/2014	Deed	8914/177	\$21,000
5/30/2007	Deed	6684/357	\$0
8/5/2005	Contract	6087/617	\$63,350
11/24/2003	Deed	5504-94	\$30,000

2013 ASSESSMENT

Land \$10,500
 Dwelling \$37,650
 Improvements \$0
Total \$48,150

PERMITS

Date	Description
8/20/2007	REPAIR
8/10/2004	ROOF
1/8/2004	KITCHEN REMODEL
6/2/1999	SIDING
6/2/1999	WINDOWS

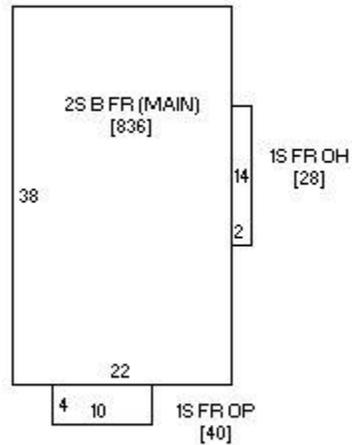
2012 ASSESSMENT

Land \$7,500
 Dwelling \$44,710
 Improvements \$0
Total \$52,210

2011 ASSESSMENT

Land \$7,500
 Dwelling \$44,710
 Improvements \$0
Total \$52,210

Sketch



[Tax History](#) [Pay Taxes](#)

Disclaimer: The information in this web site represents current data from a working file which is updated continuously. Information is believed reliable, but its accuracy cannot be guaranteed. The maps and data provided by this web site, represent data from the Cedar Rapids City Assessor's Office, as used for assessment purposes. No warranty, expressed or implied, is provided for the data herein or its use.

Property photos or data incorrect? [Click Here](#)

NEW BUSINESS

Inventory of Industrial Sites

Number	Street	Historic Name	Year Built	Status	Update
401	1st St SE	Hamilton Bros (also Downtown)	1899	NRHP 1994	
427	1st St SE	Fire Station No. 1 (also Downtown)	1917	NR Pending	
600	1st St SE	John Blaul's Sons (also Downtown)	1914		
900	2nd St SE	Churchill Drug	1925	SHPO: Not eligible 2007	
600	3rd St SE	Brown-Evans Manuf.	1919	NRHP 1999	
905	3rd St SE	Witwer Grocery	1946	NRHP 1998	
400	6th Ave SE	Pepsi (Tehel) (also Downtown)	1912	Consultant: Not eligible 2009	Not eligible (integrity)
411	6th Ave SE	Harper & McIntire/Smulekoff Furniture Warehouse (also Downtown)	1921		
306-08	6th Ave SE	Peterson Baking (also Downtown)	c 1931		
400-404	9th Ave SE	Blue Valley Creamery	c 1912		
406-410	9th Ave SE	Ellis & Roth	1912		
329	10th Ave SE	JG Cherry	1919	NRHP 2002	
200	B Ave NE	Quaker Oats			Not eligible (integrity)
620	17th St NE	Vetter & Parks Lumber	1927		
855	35th St NE	Rockwell Collins	1941		Not eligible (integrity)
761	J Ave NE	Water Purification Plant	c 1930		
807 707-711	A Ave NW B Ave NW	Chandler Pump Co.	c 1890		
625	C Ave NW	Universal Crusher	1924		

605	G Ave NW	Cedar Rapids Pump	c 1890	NRHP 2012	
519-521	H St SW	Knutson Metal			
1445	Rockford Rd SW	Rockford Road Station, CRANDIC	2007		Not eligible (replacement)
42	7th Ave SW	Iowa Pipe & Supply / Mott		NRHP 2012	

Inventory of Downtown Sites 2013

Contributing to Historic District				
Inventory	Address	Historic Name	Year Built	Status
57-01279	200 1ST AVE NE	Roosevelt Hotel	1925	NRHP 1991
57-01312	200 2ND ST SE	Dows Bldg	1910/1930	CEF 2010
57-01313	303 2ND AVE SE	U.S. Post Office	1908	NRHP 1982
57-01467	102-106 3RD ST SE	Iowa Theatre	1926 1928	CEF 2009 CIPD 2010
57-01468	305 2ND ST SE	Paramount	1927	NRHP 1976
57-01470	307 3RD AVE SE	Kubias Hardware	1902	CEF 2010
57-01570	216 3RD ST SE	Guaranty Building	1895	
57-01572 57-10464	200 5TH AVE SE	Hutchinson Bldg	1923	CEF 2010
57-01586	213 4TH AVE SE	Lattner Aud.	1900	NRHP 1983
57-01587	221 4TH AVE SE	Iowa Bldg	1914	NRHP 1983
57-01311	119 2ND AVE SE	Security Bldg	1907	NRHP 1977
57-06680	119 3rd Ave SE	Fawcett Bldg	1910	CEF 2011
57-09478	101 2ND ST SE	American Trust Bldg	1914	CEF 2010
57-09481	203-207 1ST AVE SE	Syndicate Clothing Co	1900	SHPO: Not Eligible 2009
57-09484	325 2ND AVE SE	Muskwaki Blk	1897	SHPO: Not Eligible 2010
57-09501	319-323 3RD ST SE	Welch Cook Beals	1906	CEF 2010

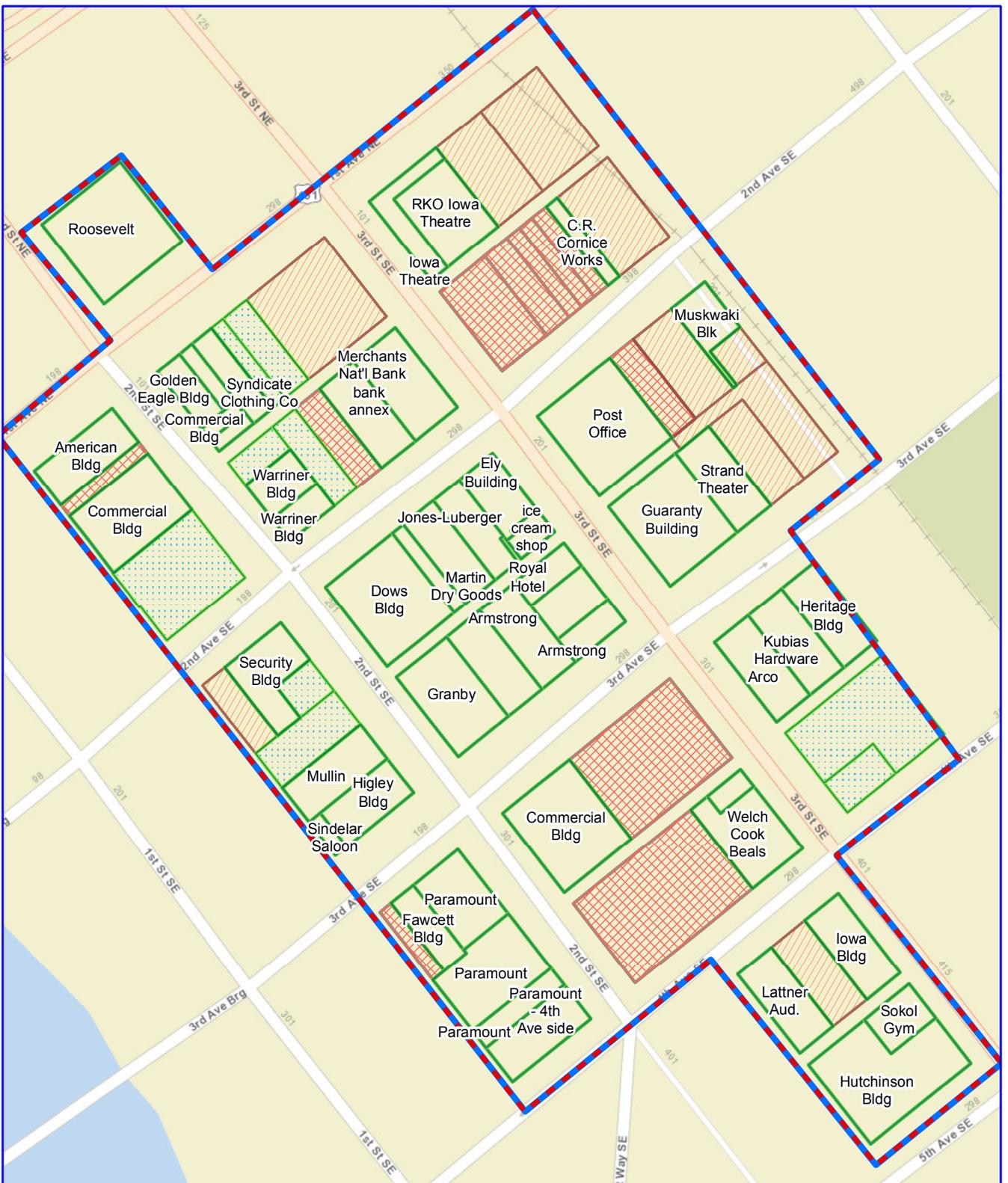
57-09505	225 2ND AVE SE	Jones-Luberger	1880	SHPO: Not Eligible 2010
57-09509	120 3RD AVE SE	Higley Bldg	1918	CEF 2010
57-09513	218 2ND ST SE	Granby	1894	CEF 2010
57-09515	206 2ND AVE SE	Warriner Bldg	1890	SHPO: Not Eligible 2010
57-09516	217 3RD ST SE	Royal Hotel	1910	CEF 2010
57-10033	219 2ND ST SE	Mullin	1912	CEF 2010
57-10038	226 2ND AVE SE	Merchants Nat'l Bank	1926	CEF 2010
57-10039	210-230 3RD AVE SE	Armstrong Bldg.	1959	SHPO: Not Eligible 2010
57-10040	303 3RD AVE SE	Arco	1930	CEF 2010
57-10125	316 3RD AVE SE	Strand Theater	1915	CEF 2010
57-10133	320 2ND AVE SE	C.R. Cornice Works	1900	SHPO: Not Eligible 2010
57-10175	215 2ND AVE SE	Martin Dry Goods	1905	SHPO: Not Eligible 2011
57-10513	109 2ND ST SE	Commercial Bldg	1942	SHPO: Not Eligible 2011
57-10528	116 3RD AVE SE	Sindelar Saloon	1900	CEF 2012
57-10704	415 3RD ST SE	Sokol Gym	1907	NRHP 2013
	100 2ND ST SE	Golden Eagle Bldg	1898	
	110 2ND ST SE	Commercial Bldg	1911	

	112 2ND ST SE	Commercial Bldg	1910	
	313 3RD AVE SE	Heritage Bldg	1905	
	215 3RD ST SE	ice cream shop	1880	
	209 3RD ST SE	Ely Building	1880	
	213 2ND AVE SE	Commercial Bldg	1910	
	316 2ND ST SE	Commercial Bldg	1913	

Potentially Contributing to Historic District				
Inventory	Address	Historic Name	Year Built	Status
57-10131	211 1ST AVE SE	Craemer's Dept Store	1889	SHPO: Not Eligible 2010
57-10132	213 1ST AVE SE	Neisner Bros Dept Store	1900	SHPO: Not Eligible 2010
	208 2ND AVE SE	Commercial Bldg	1900	
	118 2ND ST SE	Commercial Bldg	1890	
57-10530	209 2ND ST SE	Commercial Bldg	1967	SHPO: Not Eligible 2011
57-10531	213 2ND ST SE	Commercial Bldg	1900	SHPO: Not Eligible 2012
57-01571	320 3RD ST SE	Bohemian Savings	1940	
57-09926	324 3RD ST SE	Torch Press Bldg	1900	CEF 2009

57-10048	118 2ND AVE SE	United Fire & Casualty Bldg	1923	SHPO: Not Eligible 2010
----------	----------------	-----------------------------	------	----------------------------------

Other Downtown Inventory Sites				
Inventory	Address	Historic Name	Year Built	Status
57-09507	411 1ST AVE SE	Burlington CR & Northern Bldg		SHPO: Not Eligible
	417 1ST AVE SE	Irvine/Bever Bldg	1926	
57-09494	419 2ND AVE SE	Coffits Bldg/Hall Bicycle	1902	CEF 2010
57-09500	526 2ND AVE SE	Inter-State School Bldg.	1908	CEF 2010
57-10505	97 3RD AVE SE	Smulekoff's Furniture	1904	CEF 2011
57-01471	420 3RD AVE SE	Cedar Rapids Public Library/Museum of Art	1904	NRHP??
57-09514	117 5TH ST SE	Palmer Building	1905	CEF 2010
57-01856	310 5TH ST SE	First Presbyterian Church	1869	CEF 2010
57-06443	318 5TH ST SE	YWCA	1911	
57-02003	512 6TH ST SE	Bethel AME Church	1931	NRHP 2013
	501 A AVE NE	St John the Baptist Greek Orthodox Church	1946	
57-02687	525 A AVE NE	Grace Episcopal Church	1873, 1890	SHPO: Not eligible
	616 A AVE NE	Consistory No. 2/Scottish Rite Temple	1908	NRHP 1998
57-01286	813 1ST AVE SE	Iowa Masonic Library	1950	

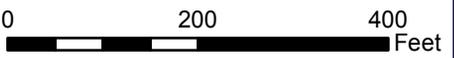


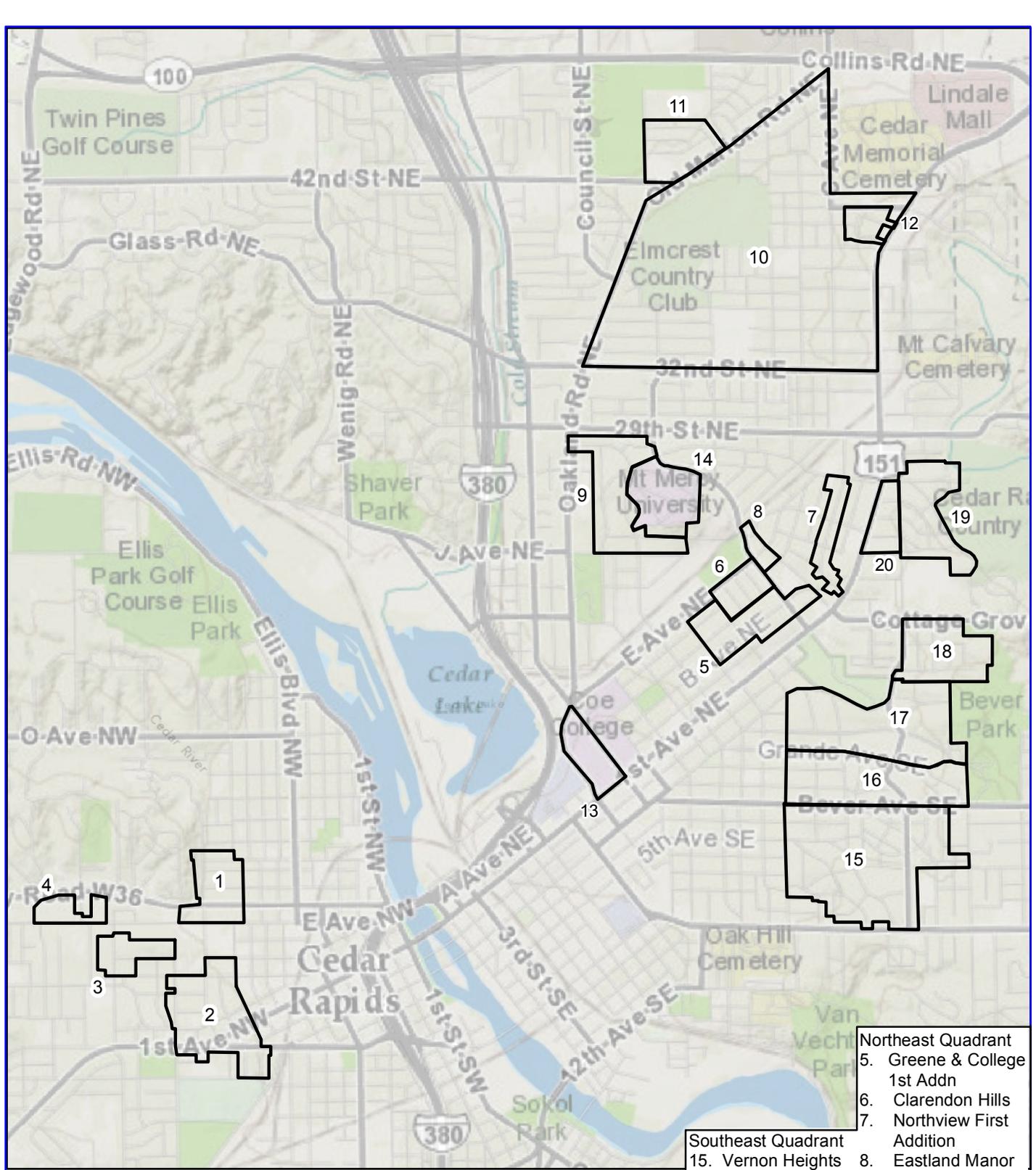
Legend

-  District Boundary
-  Contributing, Labeled
-  Maybe Contributing
-  Non Contributing
-  NC - Vacant or Parking Lot

Potential Downtown Historic District
Cedar Rapids, Iowa



1 inch = 200 feet 



2013 Citywide Reconnaissance Survey Areas
 Architectural and Historical Resources of Cedar Rapids
 Residential Neighborhoods, 1870-1965
 Cedar Rapids, Linn County, Iowa

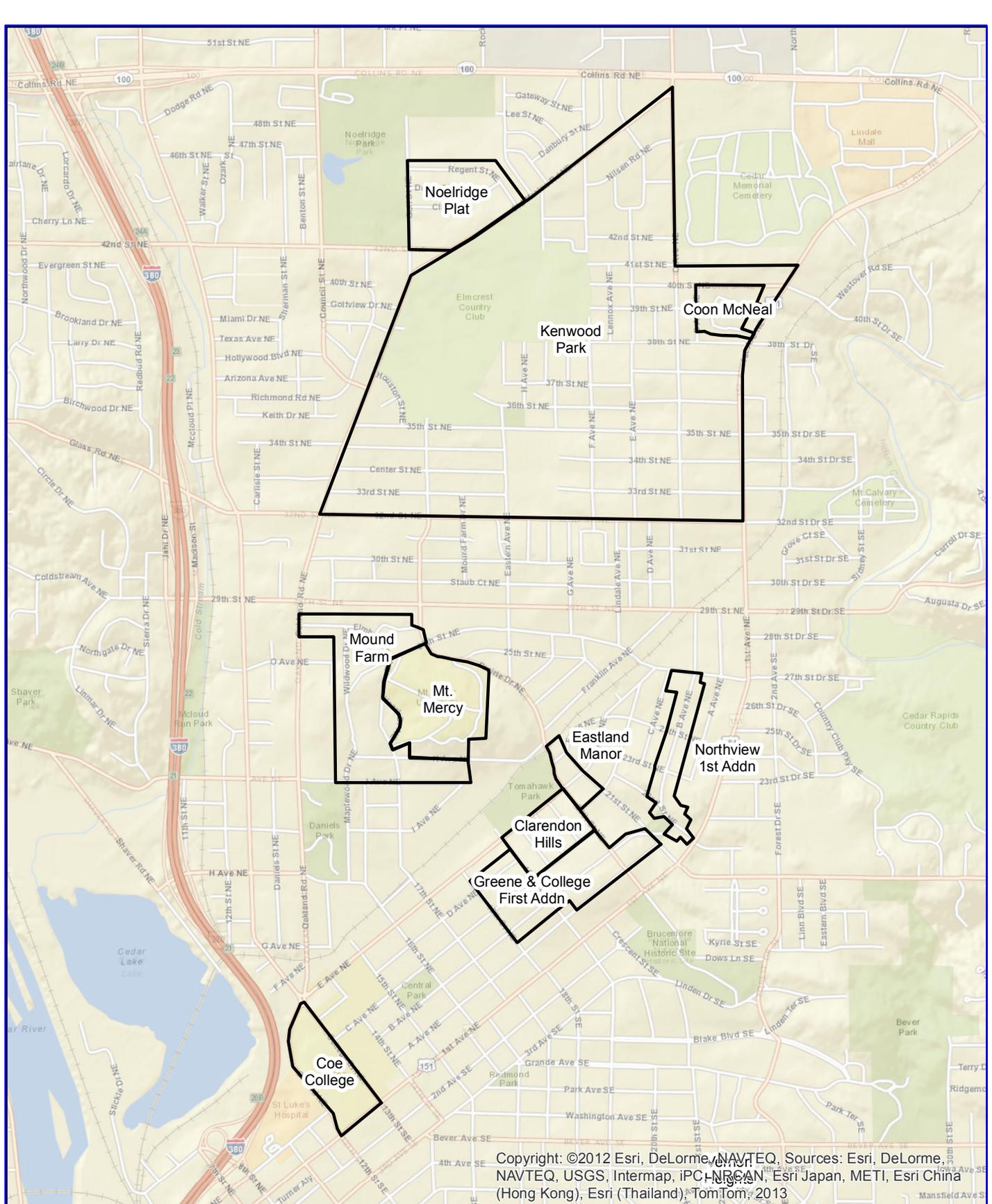


KEY

- | | | | |
|--------------------|--------------------|-----------------------------------|-----------------------------------|
| Northwest Quadrant | 1. Belmont Park | 17. Ridgewood Addition | 10. Kenwood Park |
| | 2. East Highlands | 18. Mosher's Addition | 11. Noelridge Plat |
| | 3. North Highlands | 19. Country Club Heights Addition | 12. Coon-McNeal Development |
| | 4. Rapids Township | 20. Midway Park Addition | 13. Coe College Campus |
| | | | 14. Mount Mercy University Campus |
| | | | 15. Vernon Heights |
| | | | 16. Bever Park & Bever Woods |
| | | | 17. Ridgewood Addition |
| | | | 18. Mosher's Addition |
| | | | 19. Country Club Heights Addition |
| | | | 20. Midway Park Addition |
| | | | 5. Greene & College 1st Addn |
| | | | 6. Clarendon Hills |
| | | | 7. Northview First Addition |
| | | | 8. Eastland Manor |
| | | | 9. Mound Farm Additions |

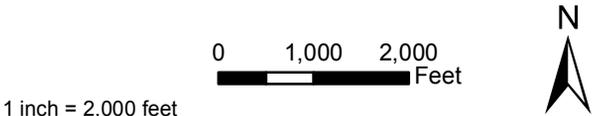
Northeast Quadrant

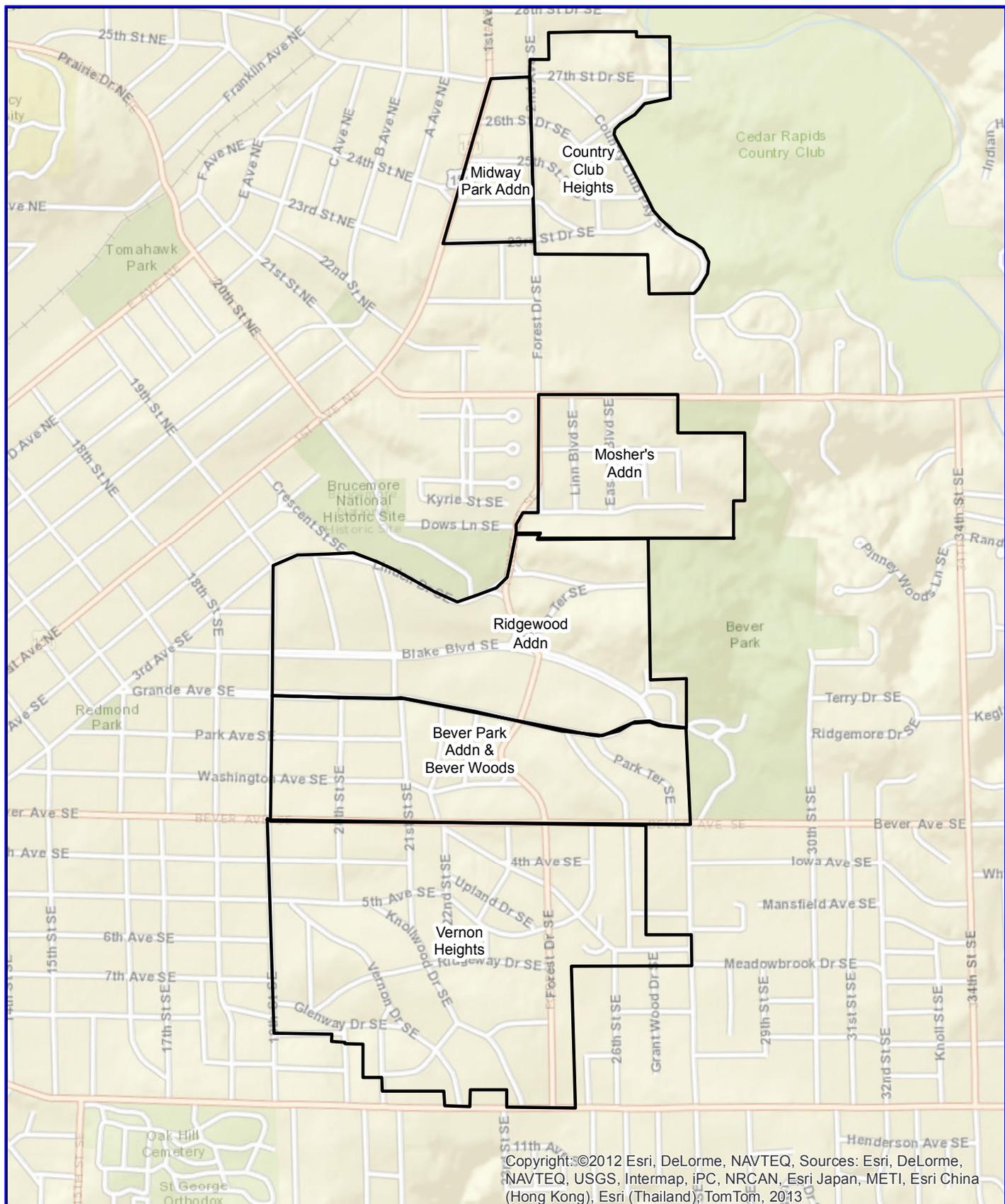
- 5. Greene & College 1st Addn
- 6. Clarendon Hills
- 7. Northview First Addition
- 8. Eastland Manor
- 9. Mound Farm Additions
- 10. Kenwood Park
- 11. Noelridge Plat
- 12. Coon-McNeal Development
- 13. Coe College Campus
- 14. Mount Mercy University Campus
- 15. Vernon Heights
- 16. Bever Park & Bever Woods
- 17. Ridgewood Addition
- 18. Mosher's Addition
- 19. Country Club Heights Addition
- 20. Midway Park Addition



Copyright: ©2012 Esri, DeLorme, NAVTEQ, Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

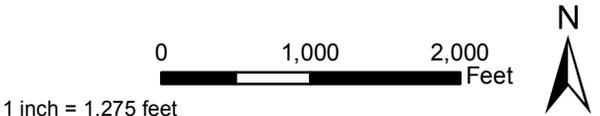
2013 Citywide Reconnaissance Survey: NE Quad
 Architectural and Historical Resources of Cedar Rapids
 Residential Neighborhoods, 1870-1965
 Cedar Rapids, Linn County, Iowa

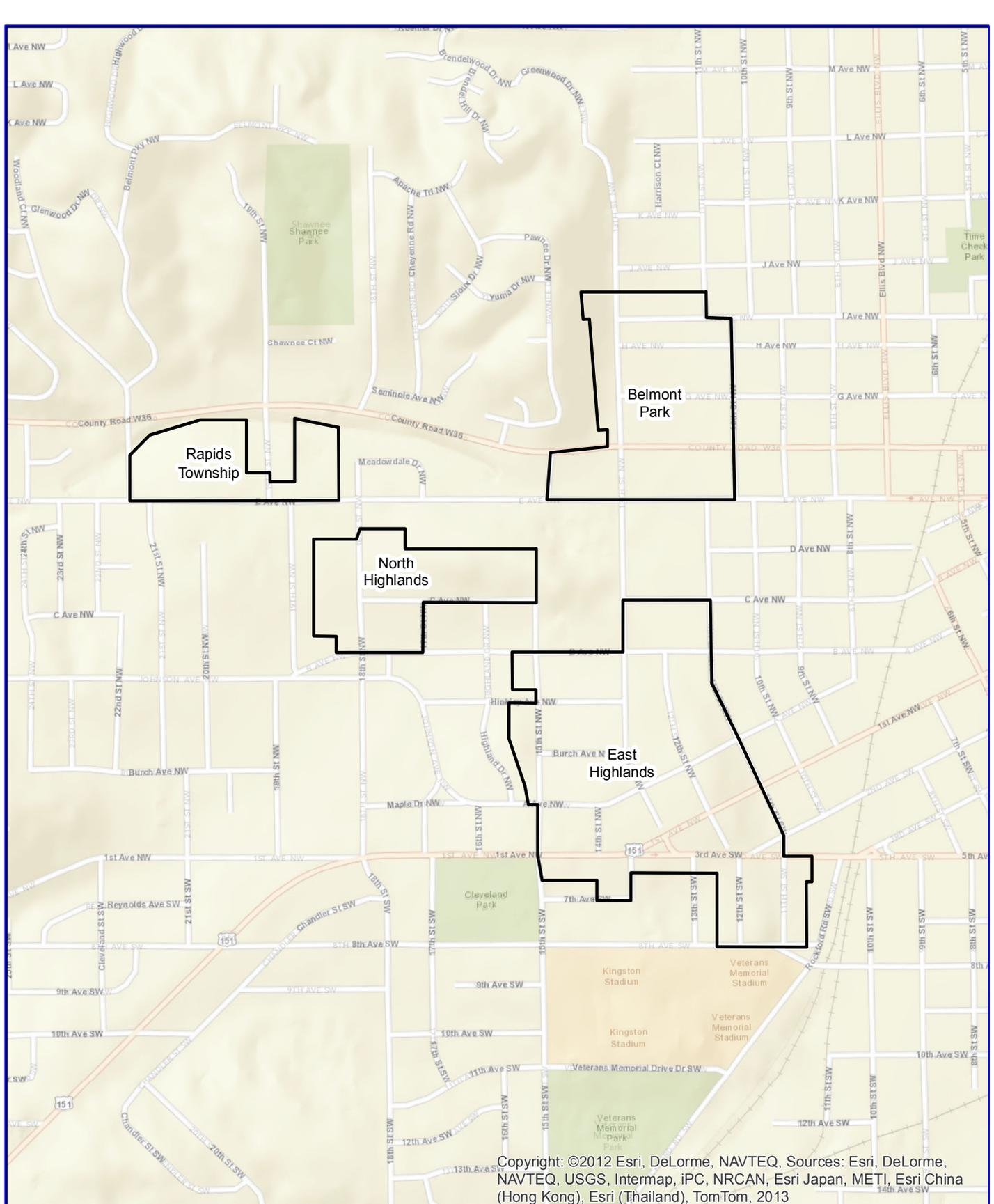




Copyright: ©2012 Esri, DeLorme, NAVTEQ, Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

2013 Citywide Reconnaissance Survey: SE Quad
 Architectural and Historical Resources of Cedar Rapids
 Residential Neighborhoods, 1870-1965
 Cedar Rapids, Linn County, Iowa





Copyright: ©2012 Esri, DeLorme, NAVTEQ, Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

2013 Citywide Reconnaissance Survey: NW Quad
 Architectural and Historical Resources of Cedar Rapids
 Residential Neighborhoods, 1870-1965
 Cedar Rapids, Linn County, Iowa

0 1,000 2,000 Feet
 1 inch = 1,000 feet





Community Development Department
City Hall
101 First Street SE
Cedar Rapids, IA 52401
Telephone: (319) 286-5041

To: Historic Preservation Commission
From: Thomas Smith, Planner
Subject: Chapter 18 Historic Preservation Ordinance Updates
Date: March 13, 2014

Background and Recommendations:

Over the past several months, representatives from Kirkwood Community College, the State Historic Preservation Office, FEMA, the Iowa Economic Development Authority, Iowa Homeland Security, and Preservation Iowa have discussed and reviewed the syllabi for nine historic preservation courses to be offered at Kirkwood Community College beginning fall 2014.

This historic preservation program is the first of its kind in the state of Iowa and will be offered through the continuing education division on a course-by-course basis. The courses are aimed at both tradespeople and owners of historic properties with an interest in preservation and historically-appropriate repairs and alterations.

At this time, FEMA is requesting a vote of approval from the Historic Preservation Commission to accept the coursework and allow Kirkwood to begin marketing and developing scholarship opportunities for the program. Representatives from Iowa Homeland Security, FEMA, the City, and the State Historic Preservation Office have submitted their approvals to move forward with the historic preservation classes.

A syllabus for each course is attached to this memo.

Historic Preservation Basics

Description: Preserving a historic building requires research and careful planning to get the best results. Participants will learn how to identify and prioritize historic preservation techniques they can use on a range of properties. This course arms participants with a broad understanding of historic preservation on the local, state, and national levels in terms of history, incentives, standards, and application. Students will develop a historic preservation “tool kit” of resources where they may look for guidance and solutions as they undertake preservation projects.

Instructor will adapt content to knowledge level and interest of students. The students will interact with the instructor for the purpose of classroom discussion. Instructor will help motivate students to take measures to help preserve the architectural heritage of the area.

Course length: 12 hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework so that field lab time can be used for practicing techniques. Students will work from a schedule of hands on practices designed to teach specific techniques that reinforce one another to achieve a high level of proficiency. This class is mostly hands on lab work.

Objectives and Course Competencies: Upon completion of this course participants will be able to:

- Describe and discuss why preservation is an important aspect of community revitalization.
- Describe and discuss different methods of preserving a historic property.
- Identify historic buildings and their elements.
- Describe and discuss the National Register of Historic Places.
- Describe and discuss the application process for listing on the National Register.
- Describe and discuss Cedar Rapids’ and Linn County’s historic preservation ordinances and climate.
- Describe and discuss tax incentives for historic preservation.
- Describe and discuss the Secretary of the Interior’s Standards for Rehabilitation.
- Describe and discuss the history of historic preservation in America.
- Describe and discuss state and federal preservation laws and agencies.
- Describe and discuss local, state, and national preservation resources.
- Identify resources available to find information about historic preservation standards and incentives.

Course Handouts:

- Copies of Power Point presentations will be provided to participants to take notes on during class and for reference material after class.
- Copy of Section 106 of the National Historic Preservation Act, as amended
- Copy of 36CFR800 the implementing regulations of Section 106 of the NHPA
- National Register of Historic Places Overview brochure
- Handouts with architectural styles and building features
- Preservation Brief #17: *Architectural Character – Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character.*

Cell Phones:

Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should not be used during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined

solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Outline:

1. Introduction and Orientation

- a. emergency procedures
- b. restroom/water fountain locations
- c. instructor biography
- d. student introductions

2. Class Outline

3. Introduction to historic preservation

- a. Benefits of historic preservation
 - Cultural
 - Societal
 - Economic
 - Environmental

4. Four R's of Historic Preservation: when and how to use each approach

- a. Rehabilitation
- b. Restoration
- c. Reconstruction
- d. Preservation
- e. Importance of Reversibility

5. Types of properties that might be preserved

- a. Residential buildings
- b. Commercial and industrial buildings
- c. Religious Properties
- d. Schools
- e. Landscapes
- f. Neighborhoods
- g. Archeological sites
- h. Other types

6. Language of historic preservation

- a. Architectural styles and building forms in Iowa and throughout the Midwest
- b. Building elements
 - Structural
 - Decorative
 - Interiors
 - Landscapes

7. Research and documentation of a historic property

8. National Register of Historic Places

- a. Background
- b. Criteria
- c. Benefits
- d. Getting listed

9. Historic preservation in Linn County

- a. Local ordinances
- b. Historic properties in Cedar Rapids
- c. Preservation groups

10. “Guidelines for Cedar Rapids Historic Districts”

11. Walking tour of historic neighborhood

12. Background on the history of the historic preservation movement in the US

- a. Mt Vernon Ladies Association
- b. Antiquities Act of 1906
- c. Creation of the National Park Service (1916)
- d. Historic Sites Act of 1935
- e. Creation of the National Trust for Historic Preservation (1949)
- f. Demolition of Penn Station
- g. National Historic Preservation Act of 1966, Section 106 Process
- h. Department of Transportation Act, Declaration of Purpose and Section 4(f)
- i. National Environmental Policy Act of 1969, ~~section 106~~
- j. Executive Order 13287, Preserve America
- k. Tax Incentives for Preserving Historic Properties, 1976 and forward <http://www.nps.gov/tps/tax-incentives.htm>

13. Overview of historic preservation tools

14. Financing Historic Preservation Projects

15. Preservation Resources

- a. Federal and State tax incentives - How incentives work for historic property owners
- b. Federal and State Historic Rehabilitation Tax Credit – three part application process
 - Evaluation of Significance
 - Description of Rehabilitation
 - Request for Certification of Completed Work
- c. Rehabilitation Guidelines
- d. Iowa Property Tax Abatement Program for historic rehabilitation project
- e. Certified Local Government Program
- f. Local preservation organizations
 - Cedar Rapids Historic Preservation Commission
 - Save CR Heritage
 - Habitat for Humanity Restore
 - Iowa City Salvage Barn
 - Bruce more
 - Preservation Iowa
 - Others?
- g. State Historic Preservation Office (SHPO), State Historical Society of Iowa, Department of Cultural Affairs <http://www.iowahistory.org/>
- h. Preservation Iowa
- i. National Park Service’s Technical Preservation Service’s Preservation Briefs
- j. National Trust for Historic Preservation
- k. Old House Journal Magazine <http://com-sub.info/Old-House-Journal/Welcome>

16. Planning your Preservation Project

17. Sources for More information

18. Summary

19. Questions

20. Evaluations

Recommended Readings:

- McAlester, *A Field Guide to American Houses*
- Tyler, *Historic Preservation: An Introduction to Its History, Principles, and Practice*
- Ching, *Visual Dictionary of Architecture*.
- Longstreth, Richard, *The Buildings of Main Street: A Guide to American Commercial Architecture*
- *Gottfried and Jennings, American Vernacular Design, 1870-1940.*
- *NPS web resources:*
- www.nps.gov/history
- www.nps.gov/nr
- www.nps.gov/hps/tps/standguide/

- *“Guidelines for Cedar Rapids Historic Districts”*

American Architecture, Building Materials and Technology

Description: This course addresses the broad patterns of the history of American architecture, building materials, and technology, with specific emphasis on the application of architectural history to historic preservation projects. The course will be divided into two parts. The first will give students a background in the major developments in American architecture from pre-contact through the early 21st century emphasizing architecture as a reflection of cultural and societal trends. The second half of the course will focus on the evolution of building technology from the 19th century through the present.

Instructor will adapt content to knowledge level and interest of students. The students will interact with the instructor for the purpose of classroom discussion.

Course length: 12 hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction:

This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework.

Objectives and Course Competencies:

Upon completion of this course, participants will be able to:

- Identify historic buildings and their elements.
- Identify major stylistic movements in American architectural history.
- Describe and discuss the elements that characterize specific styles.
- Describe and discuss how architectural trends have responded to and reflected economic, social, and cultural change.
- Describe and discuss changes in building materials over time.
- Identify key features in a building's structural and cladding systems.
- Describe and discuss the most common building types and styles in Linn County.
- Identify resources available to find information about architectural history and historic building technology.

Course Handouts:

- Copies of Power Point presentations will be provided to participants to take notes on during class and for reference material after class.

- Preservation Brief #17: *Architectural Character – Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character.*
- Handouts on Iowa’s Architectural History
- Readings from Ching, *Visual Dictionary of Architecture.*

Cell Phones:

Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should be on during class times. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Outline:

1. Introduction and Orientation

- a. emergency procedures
- b. restroom/water fountain locations
- c. instructor biography
- d. student introductions

2. Class Outline

3. Overview of historic building styles

- a. Early House Types: Timber Frame, Adobe, Native Vernacular
- b. 18th century American Architecture
- c. Neoclassicism in the Federal Period, 1790-1810
 - Thomas Jefferson, Charles Bulfinch, Benjamin Henry Latrobe
 - Rise of the Professional Architect
- d. Antebellum Architecture
 - Greek and Gothic Revivals
 - From Canals to Railroads, Rise of the Engineer
 - The Italianate and other Revival Styles
- e. The Move toward Modernity 1870-1920
 - The “Victorians”
 - Arts and Crafts
 - Romanticism
 - The Development of the Tall Office Building
 - Beaux Arts Country Homes
 - Suburbanization
- f. From Art Deco to Modernism, 1920s to 1940s
 - Art Deco
 - Federal Building Projects
 - Structures
 - Infrastructure
 - Art
 - The Housing Crisis
- g. Post-War/Cold-War Era Building
 - Flight to the suburbs
 - Tract housing
 - Minimal Traditional, Ranch/Ramblers
 - The Landscape of Commerce
 - Shopping malls
 - Commercial building
 - Urban “Renewal” and Historic Preservation
- h. The Rise of Post-Modernism
 - Robert Venturi, Denise Brown, and the New American Landscape
 - New Urbanism

4. Changes Over Time in Materials and Technology

- a. Structural
 - Foundation
 - Framing
 - Roof systems
- b. Exterior sheathing
 - Wall
 - Roof
 - Ornamentation
- c. Windows
- d. Interior
 - Walls and ceilings
 - Fixtures and features
 - Floors
- e. Building Systems
 - Heating
 - Cooling
 - Plumbing

5. Our built environment

- a. Trends and Types specific to Eastern Iowa
 - Residential Vernacular Building Forms in Iowa
 - Agricultural Outbuildings
 - Iowa's building timeline

6. Sources for More information

7. Other historic preservation courses offered at Kirkwood

8. Questions

9. Evaluations

NPS web resources:

- www.nps.gov/history
- www.nps.gov/nr

Textbooks: Recommended reading

- Handlin, *American Architecture*
- Longstreth, Richard, *The Buildings of Main Street: A Guide to American Commercial Architecture*
- Gottfried and Jennings, *American Vernacular Design, 1870-1940.*
- Wiffen, Marcus, *American Architecture Since 1780* (primary reference for preparing National Register of Historic Places nominations for the National Park Service)
- Carley, *The Visual Dictionary of American Architecture*
- McAlester, *A Field Guide to American Houses*

Historic Preservation Planning

Description: Successfully preserving a historic building can be a daunting multi-step process that requires research and careful planning. In this course, participants will learn how to navigate the preservation planning process from identification of a project through determining what types of work are necessary to achieve the best results. This course will help develop a historic preservation “tool kit” of resources when they plan their preservation projects.

Instructor will adapt content to knowledge level and interest of students. The students will interact with the instructor for the purpose of classroom discussion. Instructor will help motivate students to take measures to help preserve the architectural heritage of the area.

Course length: 8 Hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework so that field lab time can be used for practicing techniques. Students will work from a schedule of hands on practices designed to teach specific techniques that reinforce one another to achieve a high level of proficiency. This class is mostly hands on lab work.

Objectives and Course Competencies: Upon successful completion of the class, the students will be able to:

- Describe and discuss the planning process for a historic preservation project.
- Describe and discuss different methods of preserving a historic property.
- Describe and discuss how to undertake an architectural investigation.
- Describe and discuss the sources of information about a historic property.
- Describe and discuss the application process for listing on the National Register.
- Describe and discuss options for financing historic preservation projects.
- Describe and discuss Historic Structures Reports.
- Describe and discuss the Secretary of the Interior’s Standards for Rehabilitation.
- Describe and discuss state and federal preservation laws and agencies.
- Describe and discuss local, state, and national preservation resources.
- Describe and discuss how to locate historically sensitive materials.
- Identify resources available to find information about historic preservation standards and incentives.

Course Handouts:

- Copies of Power Point presentations will be provided to participants to take notes on during class and for reference material after class.
- Copy of the State and Federal Part 1, 2 and 3 applications for tax credits
- Copy of the Secretary of the Interior's Standards for Preservation, Rehabilitation, Restoration and Reconstruction
- Web links for the Preservation Briefs
- Preservation Brief #17: *Architectural Character – Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character.*
- Preservation Brief #35 *Understanding Old Buildings: The Process of Architectural Investigation*
- Preservation Brief #43 *The Preparation and Use of Historic Structures Reports*
- National Register Bulletin 24
- "Guidelines for Cedar Rapids Historic Districts"
- National Register of Historic Places Overview brochure
- Handouts with architectural styles and building features
- "Guidelines for Cedar Rapids Historic Districts"

Cell Phones:

Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should be used during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively,

recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Topics:

1. Introduction and Orientation

- a. emergency procedures
- b. restroom/water fountain locations
- c. instructor biography
- d. student introductions

2. Class Outline

3. Overview of benefits of preservation

4. Determining property type

- a. Residential properties
- b. Commercial and industrial buildings
- c. Landscapes
- d. Neighborhoods
- e. Archeological sites
- f. Other property types

5. Determining project goals

- a. Rehabilitation
- b. Restoration
- c. Reconstruction
- d. Preservation

6. Determining property attributes and history

- a. Overview of architectural investigation
- b. Sources of historic information

7. Determining Applicable Regulations and Standards

- a. Historic preservation in Linn County
 - Local ordinances
 - “Guidelines for Cedar Rapids Historic Districts”
- b. Federal Preservation Laws and State Historic Preservation Office Programs (State Historical Society of Iowa)
 - National Register of Historic Places
 - Criteria
 - Benefits and obligations

- Getting listed
 - Section 106
 - c. Secretary of the Interior's Standards
- 8. Determining the Site's needs**
 - a. Historic Structure Reports
 - b. Evaluating condition
 - c. Identifying character defining features
- 9. Tour of ongoing Preservation Project**
- 10. Financing Historic Preservation Projects**
 - a. Federal and State tax incentives - How incentives work for historic property owners
 - b. Federal and State Historic Rehabilitation Tax Credit – three part application process
 - c. Rehabilitation Guidelines
 - d. Iowa Property Tax Abatement Program for historic rehabilitation project
 - e. State and local grants
 - f. National grants
- 11. Planning the physical preservation project**
 - a. National Park Service's Technical Preservation Service's Preservation Briefs
 - b. Dealing with alterations
 - c. Sourcing historically sensitive materials
 - d. Overview of Kirkwood preservation courses
 - e. Preservation craftspeople
- 12. Promoting your project**
- 13. Preservation Resources**
 - a. Local preservation organizations
 - Cedar Rapids Historic Preservation Commission
 - Save CR Heritage
 - Habitat for Humanity Restore
 - Iowa City Salvage Barn
 - Bruce more
 - Others?
 - b. State Historic Preservation Office (SHPO), State Historical Society of Iowa, Department of Cultural Affairs <http://www.iowahistory.org/>
 - c. Preservation Iowa
 - d. National Park Service's Technical Preservation Service's Preservation Briefs
 - e. National Trust for Historic Preservation
 - f. Old House Journal Magazine <http://com-sub.info/Old-House-Journal/Welcome>
- 14. Sources for More information**
- 15. Other historic preservation courses offered at Kirkwood**
- 16. Questions**
- 17. Evaluations**

NPS Web Resources:

- www.nps.gov/history

- www.nps.gov/nr
- www.nps.gov/hps/tps/standguide/

Architectural Investigation

Description: This course addresses the important steps in conducting physical and archival research in the preservation planning process. It serves to underscore the need for meticulous investigation and planning prior to work on irreplaceable cultural resources. This course will cover how to use archival sources and the building itself to piece together a building's story and help create an overall preservation plan. The importance of understanding irreversible steps in the preservation process and how to avoid them. Students will undertake hands-on field work, each selecting 1-2 historic properties to investigate during the course. The class will incorporate several field trips to demonstration sites and repositories of historic building information.

Instructor will adapt content to knowledge level and interest of students. The students will interact with the instructor for the purpose of classroom discussion and fieldwork. Instructor will help motivate students to take measures to help preserve the architectural heritage of the area.

Course length: 12 Hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework.

Objectives and Course Competencies: Upon successful completion of the class, the students will be able to:

- Describe and discuss the purposes of architectural investigation.
- Describe and discuss the process of architectural investigation.
- Describe and discuss the different type of historic site information.
- Describe and discuss the sources and locations of historic site information.
- Describe and discuss Historic Structures Reports.
- Describe and discuss the completion of a reconnaissance survey.
- Describe and discuss the gathering of information about historic interiors.
- Describe and discuss the methods for analyzing building fabric.
- Describe and discuss specialized testing of historic materials and sites.
- Describe and discuss keeping a responsible record.
- Describe and discuss applying the findings of an investigation.
- Identify resources available to find information about architectural history and historic preservation.

Course Handouts:

- Copies of Power Point presentations will be provided to participants to take notes on during class and for reference material after class.
- HAER guidelines, "Evaluating Sites"
- NRHP, Researching a Historic Property
- Preservation Brief #35 Understanding Old Buildings: The Process of Architectural Investigation
- Preservation Brief #43 The Preparation and Use of Historic Structures Reports
- National Register Bulletin 24

Cell Phones:

Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should not be used during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Topics:**1. Introduction and Orientation**

- a. emergency procedures
- b. restroom/water fountain locations
- c. instructor biography
- d. student introductions

2. Class Outline**3. Why conduct an architectural investigation?**

- a. Historical Research
- b. Project planning
- c. Historic Designation
- d. Documentation
- e. Inventory
- f. Stabilization
- g. Interpretation

4. Overview of sources of historical information

- a. Building fabric
- b. Primary Documents
 - Site specific
 - Context
- c. People
 - Current and previous owners
 - Employees
 - Neighbors
 - Historians

5. Types of historic site information

- a. Site history
- b. Construction date(s)
- c. Alterations
- d. Materials
- e. Ownership and usage
- f. Relationship to neighborhood and community
- g. Historic Context

***Students select 3 buildings for analysis

6. Reconnaissance Survey (meet in historic neighborhood)

- a. Stylistic Dating
- b. Materials
- c. Additions
- d. Condition

- e. Integrity
- 7. Historic Documents**
 - a. Deed records (meet at Linn County Courthouse)
 - b. Building Permits (meet at ?)
 - c. Maps, Directories, and community records (meet at Cedar Rapids History Center)
 - d. Using Sanborn Fire Insurance Maps (use of State Library of Iowa website for access to Sanborn Maps)
 - e. Newspaper archives (Cedar Rapids Public Library)
- 8. Secondary Sources**
 - a. National Register Nominations
 - b. City of Cedar Rapids historical and architectural survey reports and individual site inventory forms
 - c. Historic Structures Reports
 - d. Community histories
 - e. Local historians
- 9. Analyzing building fabric (meet at historic site)**
 - a. Surface Mapping
 - b. Site layout
 - c. Floor plans
 - d. Masonry
 - e. Wood
 - f. Roofs
 - g. Floors
 - h. Walls
 - i. Attics and Basements
 - j. Mechanical, Electrical, Plumbing and Other Systems
 - k. Acquired significance of alterations
- 10. Specialized testing and technicians for hazardous materials**
 - a. Destructive testing – where to look for potential asbestos and lead
 - b. Laboratory analysis
- 11. Keeping a Responsible Record**
- 12. Applying the findings of your investigation**
 - a. Applying for historic designation
 - b. Planning a preservation project
- 13. Sources for More information**
 - a. State Historical Society of Iowa
 - b. Local libraries
 - c. GIS mapping
- 14. Other historic preservation courses offered at Kirkwood**
- 15. Questions**
- 16. Evaluations**

Recommended Reading:

- State Historical Society of Iowa, State Historic Preservation Office, Iowa Site Inventory Form, <http://www.iowahistory.org/historic-preservation/statewide-inventory-and-collections/iowa-site-inventory-form.html>

Maintaining the Exterior of Historic Buildings

Course Description: Maintaining any building, especially a historic one, means understanding the processes that are at work every moment of every day. Participants will learn to identify the causes of deterioration in a building, and be exposed to the skills and tools necessary to fight the unending onslaught of Mother Nature and humans on the preservation of our built environment.

Students will attend classroom sessions as well as take field trips to local historic properties in order to study and practice maintaining historic exteriors first hand.

Course Length: 16 hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework.

Objectives and Course Competencies: Upon successful completion of the class, the students will be able to:

Understand the dangers associated with working on historic structures

Understand how to properly evaluate a structure for issues

Learn to develop and apply a cyclical maintenance program for a historic property

Learn how to properly clean a historic exterior

Learn how to address basic painting problems of exteriors

Course Handouts:

- Copies of Power Point presentations will be provided to participants to take notes on during class and for reference material after class.
- Preservation Brief #10 - Exterior Paint Problems on Historic Woodwork <http://www.nps.gov/tps/how-to-preserve/briefs/10-paint-problems.htm>
- Preservation Brief #39 - Holding the Line: Controlling Unwanted Moisture in Historic Buildings <http://www.nps.gov/tps/how-to-preserve/briefs/39-control-unwanted-moisture.htm>
- Preservation Brief #47 - Holding the Line: Controlling Unwanted Moisture in Historic Buildings <http://www.nps.gov/tps/how-to-preserve/briefs/47-maintaining-exterior.htm>
- How to Hire a Contractor, John Leeke, Historic Building Specialist, <http://www.preservationnation.org/resources/training/npc/2010->

Equipment Required: Students shall provide their own personal protection equipment (PPE).

Safety: Safety glasses must be worn at all times in the field. Hearing protection is recommended and is required when operating power tools. Long sleeve shirts are recommended. Long pants are required. No frayed holes or cuffs. Shirts must be tucked in, sleeves and pockets buttoned. Steel toe safety boots are strongly recommended. Leather boots are required. No open toed shoes or athletic shoes are allowed. Hair must be secured so as to not be a safety hazard.

Student must read and sign Hold Harmless Agreement. Safety equipment must be used properly at all times in the field lab. All safety violations will be noted. First offense safety violation is a verbal warning. Second offense you will be asked to leave the field lab for the remainder of the day. Third offense you will not be allowed to return to class. Anything deemed unsafe by the instructor will be noted as a safety violation or may result in your being asked to leave class. No refunds will be forthcoming to those removed from class for safety violations.

Cell Phones: Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should be secured in your locker during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively,

recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Outline:

1. Introduction

- a. emergency procedure
- b. instructor bio
- c. class outline
- d. student bio

2. Historic preservation guidelines overview (website)

- a. preservation
- b. Secretary of Interior Standards overview
 - identify
 - retain
 - and preserve historic materials & features
- c. stabilize
- d. protect & maintain
- e. repair
 - stabilize
 - consolidate
 - conserve
- f. replacement
 - in-kind
- g. design
- h. recreate
- i. research
- j. document
- k. investigate
- l. meeting code
 - energy efficiency
 - accessibility
 - health concerns
 - code

3. Overview of how to maintain exteriors of historic buildings (brief 47)

- a. value of regular maintenance
- b. value of building components in protecting a structure from elements
- c. health dangers inherent in old homes: SAFETY FIRST
 - Job Hazard Analysis
 - lead
 - asbestos
 - animal waste
 - heat removal
 - Volatile Organic Compounds
 - electrocution
 - Personal Protective Equipment
 - safety glasses
 - respiratory protection
 - dust masks
 - respirators
 - dust collectors
 - air filters
 - plastic
 - steel-toed boots
 - gloves
 - hard hats
- d. when to contact a professional
- e. the importance of patina
 - the dangers of abrasive cleaning to historic buildings (brief 6)
 - when to choose substitute materials on exteriors (brief 16)
 - the question of aluminum, cement board, and vinyl siding on historic buildings (brief 8)

4. Cyclical maintenance checklists

- a. maintenance plans
 - schedules
 - checklists
 - forms
 - contractor contact list
 - written procedures
 - record keeping for:
 - work completed
 - costs
 - warranty cards
 - sample paint colors

5. Building inspection

- a. controlling moisture in historic buildings (brief 39)
 - where to look for moisture damage

- how to analyze damage
 - understanding the movement of water
 - selecting a treatment
 - proper maintenance techniques
- b. how to inspect masonry
 - c. how to inspect wood
 - d. how to inspect a roof
 - e. how to inspect a floor
 - f. how to inspect a wall
 - g. how to inspect HVAC
 - h. performing a reconnaissance
 - i. performing surface mapping
 - j. non-destructive testing
 - k. destructive testing
 - l. laboratory testing
 - m. historic structure report (brief 43)
 - n. summary and questions

6. Maintenance inspections of historic buildings (brief 17)

- a. inspection frequency
 - annually
 - roof
 - chimney
 - walls and porches
 - windows
 - foundation and grade
 - building perimeter
 - entries
 - 6 month
 - roof drainage
 - doors
 - example
- b. building components
 - roofs/chimneys
 - inspection
 - maintenance
 - exterior walls
 - inspection
 - maintenance
 - openings
 - inspection
 - maintenance
 - contracting maintenance work
 - projections

- inspection
- maintenance
- foundations & perimeter grades
 - inspection
 - maintenance
- sealants & caulks

7. Cyclical Repairs

- a. how to repair and replace wooden shingle roofs (brief 19)
 - Demonstration of how to remove and replace wooden shingles with slate ripper, shingle hatchet, and other specialty tools and techniques
- b. how to deal with exterior paint problems on historic woodwork (brief 10)
 - when to remove paint
 - lead paint hazards (brief 37)
 - exterior paint conditions & treatments
 - grime
 - mildew
 - chalking
 - staining
 - crazing
 - intercoat peeling
 - blistering
 - wrinkling
 - peeling
 - cracking
- c. paint removal methods
- d. abrasive
 - manual
 - mechanical
- e. thermal
- f. chemical
- g. paint recommendations
- h. hands-on presentation

8. Summary

9. Questions

10. Evaluations

- **Recommended Reading:**

Cleaning Historic Metals - State Historical Society of Iowa Rehabilitation Standard No. 7 - Part 1

<http://www.iowahistory.org/historic-preservation/technical-assistance/standard-no-7.html>

Cleaning Historic Wood - State Historical Society of Iowa Rehabilitation Standard No. 7 – Part 3

<http://www.iowahistory.org/historic-preservation/technical-assistance/standard-no-7.html>

Cleaning Historic Stucco - State Historical Society of Iowa Rehabilitation Standard No. 7 – Part 4

<http://www.iowahistory.org/historic-preservation/technical-assistance/standard-no-7.html>

Cleaning Historic Ceramic Tile and Terra Cotta - State Historical Society of Iowa Rehabilitation Standard No. 7 – Part 5

<http://www.iowahistory.org/historic-preservation/technical-assistance/standard-no-7.html>

Cleaning and Hazardous Material - State Historical Society of Iowa Rehabilitation Standard No. 7 – Part 6

<http://www.iowahistory.org/historic-preservation/technical-assistance/standard-no-7.html>

Weatherization and Historic Structures

Description: Weatherizing your historic home is the first step towards a more comfortable, energy efficient building. Working with historic buildings provides special challenges and opportunities. Participants will learn how to reduce energy costs with practical solutions for weatherizing their historic home or building. Understanding how air, heat, and moisture moves in a typical structure, this course will focus on historic homes. Participants will learn where to look for and how to locate air infiltration into their home or business and how to seal any leaks found. Various weatherization products and their proper applications will be discussed including caulk, foam, and weather stripping.

Instructor will adapt content to knowledge level and interest of students. The students will interact with the instructor for the purpose of classroom discussion. Instructor will help motivate students to take measures to reduce their home or business energy consumption.

Course length: 12 Hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework.

Objectives and Course Competencies: Upon completion of this class the participant will be able to:

- Identify reasons to seal homes from air infiltration.
- Describe and discuss how air, moisture and heat move in a structure.
- Identify the building envelope.
- Identify the difference between air infiltration and ventilation.
- Identify where and how to find air leaks in a typical home or business.
- Identify where and how to apply various types of caulks and foam products that are appropriate to seal air leaks in historic structures.
- Identify where and how to install various types of weather stripping around doors and windows.
- Describe and discuss ways to reduce energy loss through a fireplace.
- Describe and discuss methods to seal and insulate HVAC ducts.
- Describe and discuss methods to insulate water pipes and water heaters. Identify resources available to find rebates and tax incentives for energy efficient improvements to your home or business.
- Identify how old buildings work in terms of passive design solutions for energy savings including operable double-hung windows; placement of windows for air circulation between rooms and between levels; how turrets, cupolas and towers work, etc.

- Understand which weatherization techniques and materials minimize impacts and damage to historic structures and which weatherization treatments should be avoided for historic buildings

Course Handouts:

- Copy of presentation will be provided to participants for taking notes during class and reference material after class.
- National Park Service Preservation Briefs:
 - Brief #3 - Improving Energy Efficiency in Historic Buildings
 - Brief #39 - Holding the Line: Controlling Unwanted Moisture in Historic Buildings
- Energy Conserving Features Inherent in Older Homes,
[http:// http://www.nps.gov/TPS/sustainability/greendocs/conservation-features-older-homes.pdf](http://www.nps.gov/TPS/sustainability/greendocs/conservation-features-older-homes.pdf)
- Iowa Energy Center- Home Series Book 1
 Home Tightening, Insulation, and Ventilation
- Iowa Energy Center- Home series Book 3
 Water Heating
- US Energy Star- Do It Yourself Guide to Sealing and Insulating with Energy Star, Duct sealing
- Secretary of the Interior’s Standards for Rehabilitation & Illustrated Guidelines on Sustainability for Rehabilitating Historic Buildings -
<http://www.nps.gov/tps/standards/rehabilitation/sustainability-guidelines.pdf>

Equipment Required: Students shall provide their own personal protection equipment (PPE).

- Safety glasses
- Ear plugs
- Leather boots

Safety:

Safety glasses must be worn at all times in the field. Hearing protection is recommended and is required when operating power tools. Long sleeve shirts are recommended. Long pants are required. No frayed holes or cuffs. Shirts must be tucked in, sleeves and pockets buttoned. Steel toe safety boots are strongly recommended. Leather boots are required. No open toed shoes or athletic shoes are allowed. Hair must be secured so as to not be a safety hazard. Student must read and sign Hold Harmless Agreement. Safety equipment must be used properly at all times in the field lab. All safety violations will be noted. First offense safety violation is a verbal warning. Second offense you will be asked to leave the field lab for the remainder of the day. Third offense you will not be allowed to return to class. Anything deemed unsafe by the instructor will be noted as a safety violation or may result in your being asked to leave class. No refunds will be forth coming to those removed from class for safety violations.

Cell Phones:

Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a

distraction and should be secured in your locker during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Outline:

1. **Introduction and Orientation**
 - a. emergency procedures
 - b. restroom/water fountain locations
 - c. instructor biography
 - d. student introductions
2. **Class outline**
3. **What is Weatherization**
 - a. define
4. **Motivation to Weatherize**

- a. save money
 - b. save energy
 - c. improve comfort
 - d. better indoor air quality
 - e. reduce our carbon footprint
 - f. reduce our dependence on fossil fuels
 - g. overall energy conservation by preserving existing investment of energy in historic buildings – for example, value of 1 gallon of gas in terms of brick in an existing building – approximately 25 to 30 brick.
5. **Myths concerning Weatherization**
- a. have good insulation, no need to weatherize
 - b. need to replace windows to weatherize
 - c. with a lot of leaks, weatherization will cost too much
 - d. place insulation in sidewalls first (myth) versus energy efficiency focus in attics (reality)
6. **Common Problems with Historic Buildings**
- a. high energy costs
 - b. drafty rooms
 - c. hot or cold rooms
 - d. cold floors
 - e. ice dams
 - f. moisture on windows
 - g. mold/ musty odors
7. **Overview of Building Science**
8. **Building as a System Approach to Energy Efficiency**
- a. all systems in a building are interrelated
 - b. various ways to achieve energy efficiency through weatherization, solarization and use of natural light, other alternative energy sources
9. **Four Types of Heat Loss in Buildings**
- a. conduction
 - b. convection
 - c. radiation
 - d. air infiltration
10. **Facts About Air**
- a. one unit in, one out
 - b. path of least resistance
 - c. warm air rises
 - d. cold air sinks
 - e. carrier of heat and moisture
 - f. moves from high to low pressure
 - g. how moisture is trapped in walls and ceilings without proper vapor barrier installation causing mold and deterioration.
11. **Driving Forces Move Air in a Building**
- a. fans
 - b. wind
 - c. stack effect

12. **Driving Forces Always Move the Same Direction**
 - a. more to less
13. **Where is all the Air Going?**
 - a. DOE Chart of percentages
14. **How Much Air is Leaking out of My Home or Business?**
 - a. Many small leaks add up
15. **Air Infiltration Vs. Ventilation**
 - a. air infiltration
 - b. ventilation
16. **Building Science**
 - a. control thermal flow
 - b. control air flow
 - c. control moisture flow
17. **Where do we start?**
18. **How to Find Resources and Assistance**
 - a. local utility companies
 - b. state or local
 - c. federal
19. **Identify Building Envelope**
 - a. conditioned space
 - b. unconditioned space
20. **Conduct an Energy audit – Field Work**
 - a. professional
 - b. homeowner
21. **How to Find Air Leaks in a Building – Field Work**
 - a. close inspection
 - b. depressurization
 - c. piece of Paper
 - d. flashlight
 - e. look for areas where different materials meet
22. **Where air leaks from a building**
 - a. EPA air leak diagram
23. **Common Areas to Find Air Leaks – Field Work**
 - a. windows and doors
 - b. attic knee walls
 - c. attic access panels
 - d. electrical switches and outlets
 - e. electrical wiring, cable, and phone lines
 - f. dryer vent
 - g. rim joist/ sill plate
 - h. open soffits or dropped ceilings
 - i. crawl space
 - j. duct chase
 - k. plumbing penetrations
 - l. recessed lights
 - m. cracked plaster or drywall

- n. fireplace damper
- o. HVAC Ducts

24. How do we Seal the Leaks we find?

- a. discussion of appropriate treatments and inappropriate treatments for historic buildings
- b. discuss differences between reversible and irreversible potential treatments

25. Products Available to Seal the Leaks

- a. caulk
 - different types
 - tools needed
 - proper application
 - where to use – caulk + masonry not recommended
- b. foam
 - types – not all foams or applicators are equal
 - proper application
 - where to use – usually not appropriate for historic buildings; often irreversible
- c. weather stripping
 - types and application
- d. window films

26. Air Sealing Examples - Field Work

- a. windows and doors
- b. attic knee walls
- c. attic access panels
- d. electrical switches and outlets
- e. electrical wiring, cable, and phone lines
- f. around dryer vent
- g. rim joist/ sill plate
- h. open soffits or dropped ceilings
- i. crawl space
- j. duct chase
- k. plumbing penetrations
- l. recessed lights
- m. cracked plaster or drywall
- n. fireplace damper

27. HVAC Ducts – Field Work

- a. Sealing
- b. insulating

28. Water Heater – Field Work

- a. tank insulation
- b. pipe insulation

29. Wrap-up

- a. Summary
- b. Questions
- c. Evaluations

Recommended Reading:

- a. Windows: Energy Efficiency Facts and Myths, Shanon Wasielewski
<http://www.dahp.wa.gov/sites/default/files/Windows%20Energy%20Efficiency%20Facts%20and%20Myths.pdf>
- b. Builder's Guide to Cold Climates, Joseph Lstiburek
- c. Maintaining and Repairing Old and Historic Buildings, John J. Cullinane
- d. Energy Efficiency in Old Houses, Martin Godfrey Cook

Historic Masonry Buildings

Description: Historic masonry buildings is a course designed to familiarize the masonry student with the wide range of products and practices available for cleaning and repointing of mortar joints in historic masonry buildings. The students will be shown how to assess an existing masonry structure and how to determine appropriate treatment and repair needs. Students will become familiar with the many different types of cleaning methods, mortar joint profiles, tools and materials, treatments, masonry types, course styles and mortar types--both historic and modern. The students will also be instructed in how to properly hand-rake (not grind) out and repoint masonry joints onsite while observing proper safe work habits and complying with all applicable rules and regulations.

Course length: 16 Hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework so that field lab time can be used for practicing techniques. Students will work from a schedule of hands on practices designed to teach specific techniques that reinforce one another to achieve a high level of proficiency. This class is mostly hands on lab work.

Objectives and Course Competencies: Upon successful completion of the class, the students will be able to:

- Students will be able to explain the process of mortar Joint Repointing
- Students will be able to identify the various components of different types of mortar
- Students will be able to identify different coursing styles
- Students will be able to determine whether repointing is necessary
- Students will be able to effectively match new mortar to existing to create a seamless repair
- Students will be able to reasonably budget and schedule a repointing project
- Students will be able to physically perform the task of hand-raking out and repointing a Mortar joint
- Students will be able to clean recently repointed Mortar joints
- Students will be able to determine if a Masonry building needs to be cleaned, and if so, to what extent it needs to be cleaned and what method and product should be used to clean it
- Students will know the various methods of cleaning a masonry building and be able to determine which method best suits the situation
- Students will know the various masonry cleaning products available and be able to

determine which product is most appropriate

- Students will be able to determine whether or not a sealant or silicone treatment is appropriate

Course Handouts:

- Copies of Power Point presentations will be provided to participants to take notes on during class and for reference material after class.
- Preservation Brief 1: Assessing Cleaning and Water-Repellent Treatments for Historic Masonry Buildings by Robert C. Mack, FAIA, and Anne E. Grimmer
(Available online at <http://www.nps.gov/tps/how-to-preserve/briefs/1-cleaning-water-repellent.htm>)
- Preservation Brief 2: Repointing Mortar Joints in Historic Masonry Buildings
Robert C. Mack, FAIA, and John P. Speweik
(Available online at <http://www.nps.gov/tps/how-to-preserve/briefs/2-repoint-mortar-joints.htm>)
- Cleaning Historic Masonry - State Historical Society of Iowa
Rehabilitation Standard No. 7 - Part 1
<http://www.iowahistory.org/historic-preservation/technical-assistance/assets/Masonry.pdf>

Equipment Required: Students shall provide their own personal protection equipment (PPE).

Safety: Safety glasses must be worn at all times in the field. Hearing protection is recommended and is required when operating power tools. Long sleeve shirts are recommended. Long pants are required. No frayed holes or cuffs. Shirts must be tucked in, sleeves and pockets buttoned. Steel toe safety boots are strongly recommended. Leather boots are required. No open toed shoes or athletic shoes are allowed. Hair must be secured so as to not be a safety hazard.

Student must read and sign Hold Harmless Agreement. Safety equipment must be used properly at all times in the field lab. All safety violations will be noted. First offense safety violation is a verbal warning. Second offense you will be asked to leave the field lab for the remainder of the day. Third offense you will not be allowed to return to class. Anything deemed unsafe by the instructor will be noted as a safety violation or may result in your being asked to leave class. No refunds will be forthcoming to those removed from class for safety violations.

Cell Phones: Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should be secured in your locker during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Topics:

- a. Historical Background (of Masonry)
- b. Coursing styles
- c. Identifying the Problem Before Repointing
- d. Finding an Appropriate Mortar Match
- e. Mortar Analysis
- f. Properties of Mortar
- g. Components of Mortar
- h. Mortar Type and Mix
- i. Budgeting and Scheduling
- j. Contractor Selection
- k. Execution of the Work
- l. Visually Examining the Mortar and the Masonry Units

- m. Preparing for a Cleaning Project
- n. Understanding the Building Materials
- o. Cleaning Methods and Materials
- p. Planning a Cleaning Project

Recommended Reading:

- Preservation Brief 6 - Dangers of Abrasive Cleaning to Historic Buildings www.nps.gov/history/hps/tps/briefs/brief06.htm
- Preservation Brief 7 - The Preservation of Historic Glazed Architectural Terra-Cotta www.nps.gov/history/hps/tps/briefs/brief07.htm
- Preservation Brief 15 - Preservation of Historic Concrete*
- Preservation Brief 42 - The Maintenance, Repair and Replacement of Historic Cast Stone www.nps.gov/history/hps/tps/briefs/brief42.htm
- Preservation Brief 38 - Removing Graffiti from Historic Masonry www.nps.gov/history/hps/tps/briefs/brief38.htm
- Preservation Tech Note - Masonry No. 2: Stabilization and Repair of a Historic Terra Cotta Cornice*
- Preservation Tech Note - Masonry No. 3: Water Soak Cleaning of Limestone*
- Preservation Tech Note - Masonry No. 4: Non-destructive Evaluation Techniques for Masonry Construction
www.nps.gov/history/hps/tps/technotes/PTN40/intro.htm

*Available Hard Copy Only

Order from www.nps.gov/history/hps/bookstore.htm or Email nps_hps-info@nps.gov

Repairing Historic Plaster Walls and Ceilings

Description: This course will stress repairs using wet plaster, with both traditional and modern materials and techniques that will best assist the preservation of historic plaster walls and ceilings--and their appearance. This class will discuss smooth-surface plaster as well as historic plaster patterns, textures, ornamental plaster details and exterior stucco.

Course length: 20 Hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework so that field lab time can be used for practicing techniques. Students will work from a schedule of hands on practices designed to teach specific techniques that reinforce one another to achieve a high level of proficiency. This class is mostly hands on lab work.

Objectives and Course Competencies: Upon successful completion of the class, the students will be able to:

- Understand the history of plaster in America
- Students will be able to identify plaster finishes
- Students will be able to understand common causes of plaster problems
- Students will be able to Repair common plaster problems,
 - loose lath
 - plaster cracks
 - loose plaster surfaces
 - patching holes

Course Handouts:

- Preservation Briefs #21 Repairing Historic Flat Plaster Walls and Ceilings
- Preservation Briefs #22 The Preservation and Repair of Historic Stucco
- Preservation Briefs #23 Preserving Historic Ornamental Plaster

Equipment Required: Students shall provide their own personal protection equipment (PPE).

- Safety glasses
- Over ankle leather boots
- Gloves
- Hardhat
- Ear plugs

Safety: Safety glasses must be worn at all times in the field. Hearing protection is recommended and is required when operating power tools. Long sleeve shirts are recommended. Long pants are required. No frayed holes or cuffs. Shirts must be tucked in, sleeves and pockets buttoned. Steel toe safety boots are strongly recommended. Leather boots are required. No open toed shoes or athletic shoes are allowed. Hair must be secured so as to not be a safety hazard.

Student must read and sign Hold Harmless Agreement. Safety equipment must be used properly at all times in the field lab. All safety violations will be noted. First offense safety violation is a verbal warning. Second offense you will be asked to leave the field lab for the remainder of the day. Third offense you will not be allowed to return to class. Anything deemed unsafe by the instructor will be noted as a safety violation or may result in your being asked to leave class. No refunds will be forthcoming to those removed from class for safety violations.

Cell Phones:

Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should be secured in your locker during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance. Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades. Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Topics:

1. Introduction and Orientation

- a. emergency procedures
- b. restroom/water fountain locations
- c. instructor biography
- d. student introductions

2. Historical Background 1800 – Today

- a. Plasters
 - Lime Plasters
 - Gypsum Plasters
 - Types of Lath
- b. Stuccos
 - Traditions in the U.S.
 - Historic Stucco Composition
 - Application and Finishes
 - Caution about use of EFS, DryVit, and other products

3. Ornamental Plaster

- a. Production
- b. Installation
- c. Repair

4. Flat Plaster Walls and Ceilings

5. Identifying Plaster Problems

- a. Structural
- b. Workmanship
- c. Curing
- d. Moisture

6. Repairing Historic Plaster

- a. Uneven Wall Surfaces
- b. Cracks
- c. Finish Coat replacement
- d. Patching Holes
- e. Plaster Keys
- f. Replacing Old Ceilings
- g. Alternative Lath Systems for New Plaster
- h. Evaluating Modern Materials and Techniques – Dry wall, cement board, etc.

- i. What to do with textured plaster replacement surfaces for walls and ceilings
- j. Non-historic textures/finishes

Textbooks: Recommended

- Plastering – J. B. Taylor ISBN 9780582056343
- Builder's Guide to Stucco, Lath & Plaster - Max Schwarts & Contributing Editor Walter F. Pruter

The Repair of Historic Wooden Windows

Course Description: Historic windows are often the first to fall in modern efforts to increase energy efficiency. Window systems that have functioned for decades are replaced through expensive and unnecessary work. Learn how to repair and improve historic windows using low cost techniques and materials.

The class will have both classroom and on-site elements.

Students will have the opportunity to work with tools and materials associated with common historic preservation efforts, and exclusively with window restoration tools.

Students will gain a stronger understanding of the historic preservation principles that direct preservation efforts.

Course Length: 20 hours

Prerequisites: There are no prerequisites for this course.

Method of Instruction: This class requires that the student be proactive. Student must take responsibility for attending class and completing exercises within the allotted time frame. All reading should be done as homework.

Objectives and Course Competencies: Upon successful completion of the class, the students will be able to:

Successfully evaluate the condition of a historic wooden window.

Acquire firsthand experience in all phases of work.

Learn how to increase the energy efficiency of a wooden window.

Learn the process of maintaining and restoring a historic window.

Learn how to build a wooden storm

Understand the principles that drive historic preservation efforts. learn how to apply these principles to all preservation efforts.

Course Handouts:

- Copies of Power Point presentations will be provided to participants to take notes on during class and for reference material after class.
- Printout of The Secretary of the Interior’s Preservation Brief #9
- (<http://www.nps.gov/tps/how-to-preserve/briefs/9-wooden-windows.htm>)
- Printout of “<http://www.iowahistory.org/historic-preservation/technical-assistance/assets/Windows.pdf>”
- Printout of “<http://www.preservationnation.org/information-center/sustainable->

[communities/buildings/weatherization/windows/”](#)

- Printout of “<http://www.preservationnation.org/magazine/2009/march-april/ma09window.html>”
- Printout of “<http://www.preservationnation.org/information-center/sustainable-communities/green-lab/saving-windows-saving-money/#.UwqNAfldWSo>”

Equipment Required: Students shall provide their own personal protection equipment (PPE).

Safety: Safety glasses must be worn at all times in the field. Hearing protection is recommended and is required when operating power tools. Long sleeve shirts are recommended. Long pants are required. No frayed holes or cuffs. Shirts must be tucked in, sleeves and pockets buttoned. Steel toe safety boots are strongly recommended. Leather boots are required. No open toed shoes or athletic shoes are allowed. Hair must be secured so as to not be a safety hazard.

Student must read and sign Hold Harmless Agreement. Safety equipment must be used properly at all times in the field lab. All safety violations will be noted. First offense safety violation is a verbal warning. Second offense you will be asked to leave the field lab for the remainder of the day. Third offense you will not be allowed to return to class. Anything deemed unsafe by the instructor will be noted as a safety violation or may result in your being asked to leave class. No refunds will be forth coming to those removed from class for safety violations.

Cell Phones: Cell phone usage is prohibited during classroom or field lab times. Cell phones and other personal electronic devices are considered a safety hazard and are a distraction to others. Turn cell phones off while class is in session. Personal radios, CD players, etc. are considered a distraction and should be secured in your locker during class time. If you have a legitimate reason for cell phone or pager uses during class time discuss it with your instructor.

Kirkwood Attendance Policy:

Learning is central to our work at Kirkwood Community College. Faculty design educational experiences to facilitate learning and students learn by engaging in those experiences. Attendance and engagement in all scheduled classes is regarded as integral to learning and is expected of all students.

Kirkwood faculty members identify expectations for learning and attendance in their course syllabi. Students are accountable for the learning outcomes for each session, including those sessions that have been missed. Assessments of learning that occur during an absence may or may not be made up, depending on the policies of the instructor and the nature of the absence.

Productive Classroom Learning Environment:

We believe that the best learning takes place in an environment where faculty and students exhibit trust and mutual respect. Students promote trust by preparing honest and thoughtful work, and by expecting evaluation based on performance Faculty promote trust by setting clear guidelines for assignments and evaluations, honest feedback, and by assigning bias-free grades.

Students show respect by being prepared and attending class on time, by paying attention, contributing to discussions listening respectfully to others point of view, meeting deadlines and striving for their best performance. Faculty show respect by their timeliness and preparedness, by taking students seriously, by valuing their goals and aspirations, and by providing honest feedback. In a productive learning environment, faculty and students work cooperatively, recognize and respect differences, model the values of character and citizenship, and become lifelong learners.

Americans with Disabilities Act:

Students with disabilities that require accommodations to achieve course objectives should file an accommodation application with the Developmental Education department, Linn Hall Room 133 as soon as possible.

Grading Scale:

There is no written work to be submitted or graded. Your Pass or Fail grade will be determined solely by your behavior in class and your ability to learn and execute the objectives to the satisfaction of your instructor.

Course Outline:

1. introduction

- a. instructor biography
- b. student introduction
- c. class outline
- d. historic preservation overview
- e. history of fenestration
- f. Safety overview
 - PPE
 - ladder safety awareness
 - lead awareness
 - asbestos awareness

2. Window Evaluation process

3. Documenting Windows for Historic Preservation & Repair

4. Window Removal

- removing trimwork
- removing sashes
- sealing openings with temporary systems
- a. Paint Removal
 - Evaluate whether paint needs to be removed
 - scraping
 - chemical
 - heat
 - steam

5. Reglazing

- a. putty removal

- b. glass cutting & replacement
 - c. glass sources
 - d. reinstallation of glass
 - e. using glazing compound –
 - types of putty including oil based (preferred)
- 6. Glazing Hands-on**
- 7. Weatherstripping**
- a. Types
 - b. Installation techniques
- 8. Repainting**
- a. Evaluation of new paints (Oil vs. acrylic vs. latex)
 - b. Appropriate historic paint colors
 - c. Preparing the surface
 - d. Priming
 - e. Painting
 - f. Cleanup
- 9. Stabilization Techniques**
- a. Testing wood moisture levels
 - b. Working with fungicides
 - c. Linseed oil overview and application
 - d. Epoxy systems for repairs demonstration
- 10. Epoxy Hands-on**
- 11. Splices & Replacements**
- a. Milling new stock
 - by machine
 - routing techniques, etc. demonstration
 - b. by hand
 - hand plane techniques demonstration
 - c. contracted out
 - where to look
 - what to ask
 - d. Disassembling a window sash
 - e. Reassembling window sash with new parts demonstration
- 12. Building wooden storm windows**
- a. measuring frames
 - b. contracting out a storm window project
 - c. milling/purchasing storm window stock
 - d. other types of storm windows
 - e. cutting joinery
 - by machine
 - by hand
 - f. assembling wood storm windows
 - g. screening storm windows & doors

- h. fitting storms for glass inserts
- i. fitting storms to window frames

13. Storm window hands-on

14. Summary

15. Questions

16. Evaluations

Recommended Reading:

- [Window Preservation Standards](#)
- [“Save your Wood Windows” by John Leeke](#)