ACKNOWLEDGEMENTS

DesignWeek 2017
Department of
Landscape Architecture
College of Design
North Carolina State University

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PROGRAM STATEMENT

THE NC STATE DEPARTMENT OF LANDSCAPE ARCHITECTURE, ALONG WITH VARIOUS COLLEGE, CAMPUS, AND STATEWIDE PARTNERS, SEeks TO FACILITATE A DESIGN CONVERSATION ABOUT HOW NORTH CAROLINA CAN ADAPT TO CLIMATE CHANGE.

The intent of the inaugural edition of design week, DesignWeek[beta], is to serve as a catalyst for discourse, debate, and action. Toward these ends, DesignWeek[beta] will demonstrate the role of design in building our state’s resilience to natural hazards, identify innovative strategies and techniques to address known and anticipated future socio-environmental issues, and direct resources to communities that increases health, safety, and welfare for all. The effort will focus on the future of our great state, including discussions related to the development of new strategies for living with the realities of flooding. Work emanating from DesignWeek[beta] will confront design issues and opportunities across time and physical scales. Short-term questions will explore ways of better preparing for and responding to the crises of recurring flooding in our communities. Long-term questions will explore methods of communicating the benefits of proactive climate adaptation strategies and the resultant community impacts.

GOAL

THE GOAL OF DESIGNWEEK[beta] IS TO CONVENE DIVERSE PARTICIPANTS IN A DESIGN CONVERSATION ABOUT HOW DESIGN CAN RESPOND TO THE EFFECTS OF CLIMATE CHANGE, NAMELY LIVING WITH FLOODS. A DESIGN CONVERSATION FRAMES DIALOGUE IN A CREATIVE PROBLEM-SOLVING MODEL AND INCLUDES RESEARCH, REFLECTION, AND SPECULATION BY ALL PARTICIPANTS.

Landscape Architecture at NC State

We are a fully accredited landscape architecture program whose mission is to teach, learn, research, and apply state-of-the-art practices that create innovative and resilient landscape solutions focused on human and ecosystem health, social equity, and quality of life. We emphasize evidence based inquiry and design thinking that positions students and graduates to engage with and propel the landscape architecture profession into the future as it evolves in response to environmental and societal imperatives.

The program’s immediate “laboratories” are the growing, shifting landscapes of the urban, suburban, and rural landscapes of the Mountain, Piedmont, and Coastal Plain regions of North Carolina. The program also utilizes international study venues in Prague, Czech Republic, and Ghana. The social, economic, and environmental imperatives resident within these landscapes fuel the program’s academic, scholarly, and extension agenda. While representing accessible examples and situations to study, the knowledge and experiences derived extend and apply globally at multiple scales and cultures.

The Landscape Imperative

The aftermath of Hurricane Matthew resulted in more extensive damage than Hurricane Floyd and devastated many of the same communities impacted 20 years ago. Loss of life, loss of structures and industries, destruction of transportation and other infrastructure, as well as flood enabled release of toxic waste make visible the need for more effective strategies for natural disaster response. Rather than rebuild our communities with the same systems and forms that continue to place human and environmental health in jeopardy, DesignWeek[beta] offers a unique opportunity to learn from the past and develop new and better environmental design strategies.

DesignWeek[beta] will enable this process by hosting a weeklong event that brings together designers, planners, engineers, policy experts, and community members to begin the design dialogue necessary to frame our directions, and to engage the creativity of our students in the interest of visualizing solution strategies. The Department of Landscape Architecture plans this immersive design experience to be an annually recurring session that revises and refines approaches to climate adaptation.
Objectives

DesignWeek[beta] project objectives include, but are not limited to:

- Facilitate design conversations between the diverse interests affected by and interested in design strategies for climate adaptation and living with floods.
- Disseminate international, national, and regional best practices centered on the DesignWeek[beta] theme.
- Share statewide trends that impact design approaches to climate adaptation and living with floods.
- Document needs, issues, and opportunities associated with communities affected by recurring flooding.
- Challenge participants to design and visualize concepts for applying best practices to regional and local community situations.
- Model a critique and evaluation process needed to determine appropriate design concepts.
- Disseminate policy and economic pathways to implement appropriate design strategies.

Program Strategies

Anticipated strategies used to develop and deliver the DesignWeek[beta] program include, but are not limited to:

- Framing presentations from key researchers, practitioners, and policymakers
  What does it mean to live with floods?
  How does this impact design thinking when working with communities?
- Presentations of issues from affected communities
  What communities have been affected by recurring flooding?
  What are their challenges, issues, and opportunities?
- Present relevant cases showing best practices
  Derive these from issues floated from affected communities and/or
  Propose as tools for “thinking big” and speculating
- Facilitate design conversations
  Bring diverse groups together to drill down with affected community
  Brainstorm, sort, prioritize issues to frame the student competition objectives (i.e. “We need to find a way to move people out of the floodplain but we need to make money from the floodplain to offset our costs”), etc.
- Use same format for evaluations at the end
- Conduct student design competitions based on themes
  Student teams take themes emerging from the design conversations and use them as scenarios to design. In their work they also need to identify precedents and cases. The evaluation would be based on their creativity in addressing the issues and translating best practices in their work.
- Invite presentations of policy and economic tools
  What tools are currently available?
  Where are gaps/opportunities for new tools?
  What are current priorities?
- Review of student competition
  Invite all participants back to determine winners
- Invite select participants to give feedback
- Facilitate design conversations about potential pathways and next steps
- Convene a DesignWeek[beta] reflection
- Define next steps
  This could include actual engagement with local communities, etc.
  Use presentations to communities as prompt
- Package and disseminate results
- Interview key participants and create short videos
- Transcribe presentations and create web friendly and print friendly articles
- Create PPT/PDF presentations for use by participants
- Schedule follow up presentations in affected communities

Outcomes

Anticipated DesignWeek[beta] program outcomes include, but are not limited to:

- Increase awareness of climate change and the increasing impact of water on the future of North Carolina community design and planning.
- Learn best design practices for community adaptation to climate change, especially recurring flooding.
- Develop their creative problem solving expertise through guided and topical inquiry.
- Build a network of people, professions, institutions, agencies, and others engaged in the work of climate adaptation.
- Raise their awareness of policy and economic tools that can assist in the implementation of climate adaptation strategies, especially responding to recurring flooding.

COMMUNITY CONTEXT

<table>
<thead>
<tr>
<th>Driver</th>
<th>Location</th>
<th>Context</th>
<th>River</th>
<th>Issue</th>
<th>Team Advisors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Buyout Zones</td>
<td>Kinston</td>
<td>Urban Parkland</td>
<td>Neuse</td>
<td>Seek solutions for existing buyout areas</td>
<td>Andy Fox, ASLA, PLA Art Rice, FCELA</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Gavin Smith, Ph.D., AICP</td>
</tr>
<tr>
<td>Downtown Flooding</td>
<td>Windsor</td>
<td>Rural Town</td>
<td>Cashie</td>
<td>Seek solutions for historic / commercial downtowns</td>
<td>Carla Delcambre, PLA Celen Pasalar, Ph.D.</td>
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<td>Mai Nguyen, Ph.D.</td>
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<tr>
<td>Neighborhood Relocation</td>
<td>Greenville</td>
<td>Neighborhood</td>
<td>Tar</td>
<td>Seek solutions for areas likely requiring future buyouts</td>
<td>Kofi Boone, ASLA Hobby Layton, Ph.D., FASLA, PLA</td>
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</tbody>
</table>

Note: Leslie Bartlebaugh, ASLA, Chris Crew, CFM, Charles Dillard, MCRP, Caroline Dwyer, AICP, Chuck Flink, FASLA, PLA, David Hill, AIA, Dan Howe, FASLA, AICP, Emily McGou, ASLA, PLA, Joe Michael, AIA, Jonathan Parsons, ASLA, PLA, Dhanya Sandeep, AICP, Rodney Swink, FASLA, PLA, Jesse Turner, ASLA, PLA and Kehia West will engage with all teams as mentoring advisors.
Greenville, North Carolina

Overview
Greenville and Pitt County, North Carolina are still recovering from Hurricane Matthew. The Tar River rose and the resultant flooding damaged over 200 homes and properties. Although Pitt County acted on numerous FEMA flood buyouts following Hurricane Floyd, many homes still remain within the 100-year floodplain of the Tar River. Disaster recovery resources serving Pitt County were extended to serve these places but the County is in search of more sustainable long-term approaches. There will be shrinking resources available for disaster recovery for these places moving forward. Additionally, some of these communities have struggled with economic development for a long time.

Belvoir, a community containing nearly half of flood-damaged homes, is the focus of this DesignWeek study. Pitt County is interested in extending FEMA buyouts to relocate current residents of floodplains out of harms way.

Proposal
Pitt County is looking for strategies that can create the economic development arguments for improving the health, safety, and welfare of residents of Belvoir. What is an equitable and sustainable strategy for relocating residents? How can the resultant buyout land positively contribute to economic development? These strategies require looking at the specific situations of the community, but also a broad look at Tar River watershed and its relationship to community development. What Tar River watershed scale strategies can help Belvoir? And what site-specific strategies can inform watershed planning? Your proposals should consider both of these scales of inquiry.

Project
As a student team you must create a compelling and forward thinking presentation designed to support local community efforts to rebuild in resilient and sustainable ways. You are asked to offer visionary conceptual approaches that can contribute to impactful changes to the area in the short and long term. Your audience includes public agencies, political leaders, and the general public. Your presentations should be designed for general understanding without verbal presentation. However, if your team’s work is selected as a finalist, you will be asked to make a 10-minute verbal presentation to the college and broader community.

Design and Planning
How do your strategies position design and planning to affect positive change? How can design add value to short- and long-term approaches?

Legal and Policy Considerations
What are some of the important policy considerations visualized by your strategies? What laws are you assuming support your work (current or future)? What policies need to change to support your conceptual approaches?

Pathways Forward
How do you see your strategies being implemented? Where does the community start? How do they maximize their resources and leverage new resources?
Greenville, North Carolina

Source: Google Earth
Kinston, North Carolina

Overview
Kinston is a community of 27,000 that is 1.5 hours east of Raleigh. It is the county seat of Lenoir County and one of several towns that have direct access to the Neuse River. The Neuse received its name from the Neuseo Indian, who lived in North Carolina’s eastern region prior to European colonialism. Although the Neuse extends west as far as Raleigh, Kinston is the westernmost town that is navigable by boat. This has played a significant role in Kinston’s development. British colonists established farms in the area that eventually grew into profitable plantations. Plantations required manpower, thus enslaved Africans outnumbering the plantation owners provided that labor. The planters with the newly developed profits dubbed their new town ‘Kingston.’ After the American colonies united to fight the revolutionary war, the “g” was removed (Kinston) to eliminate the overt reference to British royalty. Kinston emerged on the north side of the Neuse River, on a bluff approximately 12 feet above water level. The Neuse River was used for transportation, irrigation, and later as a resource for mills. But other than small areas of downtown, no physical linkages between the town and river were made. To date, buildings, streets, and other town features do not take full advantage of the river.

The Civil War marks the next milestone in Kinston history. The CSS Ram Neuse, a confederate navy ironclad, was moored in Kinston when the Union Army was moving upriver from New Bern. To prevent the ship from being captured by Union forces, the Confederates scuttled the ship in place. The site of its construction and sinking became historic sites, as did areas around Lenoir County where Civil War battles occurred. The Neuse remains one of Kinston’s most significant historic landmarks and is the object of current interpretive efforts.

Post Civil War Kinston remained active agriculturally until after World War II. Additionally, textiles emerged as higher wage jobs, spurring growth at the edges of Kinston and throughout Lenoir County. Later, general modernization strategies applied throughout North Carolina came to Kinston. State economic development efforts led to the founding of Lenoir County Community College, the attraction of industrial employers such as DuPont. Finally, the Global Transpark and a large airstrip along with an industrial/high tech campus operates in the area. The decline of textiles, as well as valuable cash crops, such as tobacco, in North Carolina resulted in many negative impacts on Kinston. Loss of jobs as well as the devastating impacts of past and recent hurricanes has slowed the city’s redevelopment. The hurricanes resulted in flood damage to many structures in the flood plain and application for FEMA buyout funds to purchase significant lands along the river.

However, sustained community organization and resources have been built from significant assets. Queen Street retains valuable building stock and the Main Street Program has successfully supported several development initiatives. Land acquired in the FEMA buyout program has resulted in an extraordinary amount of open space along the river’s edge. Agencies have developed plans and funding for restoration of portions of the Adkin Branch, a tributary of the Neuse River. Regionally, communities in eastern North Carolina have organized into the “Inner Banks,” agreeing to shared marketing and coordination of tourism activity, including Civil War historic sites. In addition, residents of Kinston, via the Pride of Kinston, have organized to form the Kinston Waterfront task force, a group leading the re-envisioning of the Neuse River.

Project Definition
Kinston is looking for strategies that can create the economic development arguments for improving the health, safety, and welfare of residents living near the Neuse River. What are some of the important policy considered visualized by your strategies? What laws are you assuming support your work (current or future)? What policies need to change to support your conceptual approaches?

Pathways Forward
How do you see your strategies being implemented? Where does the community start? How do they maximize their resources and leverage new resources?

Community Liaisons
- Tammy Kelly, Ed.D., Lenoir County Extension Director
  North Carolina Cooperative Extension
- Adam Short, AICP
  Planning Director, City of Kinston
  207 E King Street
  Kinston, NC 28501
- Roger Dall
  Director, Lenoir County Emergency Services
  207 Rhodes Ave
  PO Box 3588
  Kinston, NC 28502
- June Cummings
  Executive Director, Lenoir-Greene United Way
  Chairperson, Lenoir County Unmet Needs Committee
  Lenoir/Greene United Way
  327 North Queen Street, Suite 112
  Kinston, NC 28501

GIS Support:
- Weyland Humphrey
  Lenoir County GIS Coordinator, Planner, Zoning Officer

A house in Kinston, NC submerged by flood waters
Source: Russell Rhodes/Neuse Sport Shop

Kinston business owners survey the damage following Matthew-related flooding
Source: Ali Weatherton | http://wnct.com

Project
As a student team you must create a compelling and forward thinking presentation designed to support local community efforts to rebuild in resilient and sustainable ways. You are asked to offer visionary conceptual approaches that can contribute to impactful changes to the area in the short and long term. Your audience includes public agencies, political leaders, and the general public. Your presentations should be designed for general understanding without verbal presentation. However, if your team’s work is selected as a finalist, you will be asked to make a 10-minute verbal presentation to the college and broader community.

- Design and Planning
  How do your strategies position design and planning to affect positive change? How can design add value to short- and long-term approaches?

- Legal and Policy Considerations
  What are some of the important policy considerations visualized by your strategies? What laws are you assuming support your work (current or future)? What policies need to change to support your conceptual approaches?

- Pathways Forward
  How do you see your strategies being implemented? Where does the community start? How do they maximize their resources and leverage new resources?

1 Adapted from The Kinston Waterfront – Neuse Conceptual Vision Plan, 2006.
Information from Recent Floods

- 2 HURRICANES: Kinston’s response to Floyd lessened Matthew’s impact
  Kinston.com
- After the Flood, the Decision to Rebuild or Leave Permanently
  Carolina Planning Journal
- Study Finds NC Coastal Officials Eschew Climate Planning Until They See Damage
  NC State News
- Neuse River crests in Kinston, flooding could last days
  ABC11 (TV)
- Kinston businesses hit hard by post-Matthew flooding; but the healing process has begun
  Fox8 (TV)
- Lives remain on hold as flooding grips Kinston
  ABC11 (TV)
- Kinston Flooding (photo gallery)
  Kinston.com

Kinston, North Carolina

Kinston, NC - site view
Source: Google Earth

Kinston, NC - city view
Source: Google Earth
Windsor, North Carolina

Overview

The Town of Windsor in Bertie County, North Carolina, has experienced their third major flood in recent years. This small, colonial-era town on the Cashie River had been inundated in September after heavy rains from Tropical Storm Julia sent floodwaters surging through the business district. In some places water was 10 feet deep. When the Cashie River had receded and Windsor residents started drying out their stores and homes, the Hurricane Matthew brought torrential rainfall putting the town underwater again in October. Such flooding is so rare (referred to as 500-year flooding) since it usually happens only once every five centuries or so. The town is still recovering from Hurricane Matthew and its impact due to heavy rain and the Cashie River overflowing its banks. The standing water resulted in floods in downtown Windsor damaging 80% of the businesses and homes in the area. The clean up continues, while residents and business owners are desperate for a long-term solution to floods in town.

Meanwhile, the town has worked in the past to buy out structures in the floodplain that have suffered multiple floods, and they are targeting 38 structures to either buy out or elevate above the flood level. While waiting for federal and state funding, the town would like to explore the most effective and sustainable options. The town officials do not think such a buyout will happen in Windsor.

Project

As a student team you must create a compelling and forward thinking presentation designed to support local community efforts to rebuild in resilient and sustainable ways. Your proposals should consider site-specific strategies that can inform watershed planning. These strategies require looking at the specific conditions of the community, but also a broad look at the Cashie River watershed and its relationship to community development. What Cashie River watershed strategies can help Windsor? And what site-specific strategies can inform watershed planning? Your proposals should consider these inquiries.

Project Definition

The Town of Windsor is looking for strategies that can create the economic development arguments for improving the health, safety, and welfare of residents of Windsor. The town officials are eager to work and encourage people to buy, build, and stay in Windsor, as well as enjoy the small-town high-quality life that the area offers. What is an equitable and sustainable strategy for relocating residents and existing businesses? Which areas can be considered as potential buyout areas (if required) and how can they contribute to economic development, while contributing to the health and well-being of its residents? These strategies require looking at the specific situations of the community, but also a broad look at the Cashie River watershed and its relationship to community development. What Cashie River watershed strategies can help Windsor? And what site-specific strategies can inform watershed planning? Your proposals should consider these inquiries.

Design and Planning

How do your strategies position design and planning to affect positive change? How can you design add value to short and long term approaches?

Legal and Policy Considerations

What are some of the important policy considerations visualized by your strategies? What laws are you assuming support your work (current or future)? What policies need to change to support your conceptual approaches?

Pathways Forward

How do you see your strategies being implemented? Where does the community start? How do they maximize their resources and leverage new resources? How do you imagine your strategies being implemented? How does the community become involved/engaged in the process?
Windsor, North Carolina

Information from Recent Floods (Videos)

- Major Flooding in Windsor, NC
- Major Flooding in Windsor, NC, Hurricane Matthew, Day 2
- Floods Continue to Devastate Small N. Carolina Town

Flooding in Windsor, NC
Source: Russell Jinnette

Windsor, NC - town view
Source: Google Earth

Windsor, NC - regional view
Source: Google Earth
**WEDNESDAY**  
1.11.17

**Agenda**
- 10-12 Project Intro
- 12-1 Lunch Break
- 1-5 Work Session
- 6-7:30 Expert Panel

**Program:**
- Introduction: Living with Floods

**Activities:**
- Launch DesignWeek—competition teams assigned + students conduct pre-event survey

**COMMUNITY DIALOGUE**
- Context/Issues/Opportunities
- Q&A/conversations/listening w/affected communities (PM)
- Initiate discussion w/affected communities re: possible opportunities for long(er)-term engagement

**Opening Forum** (evening)

**Working session:**
Community design conversations w/team advisors

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**THURSDAY**  
1.12.17

**Agenda**
- 8-1 Site Visits*
- 2-5 Work Session

**Program:**
- Contextual Immersion
  - Field Trips* + Issues/Opportunities

**Activities:**
- COMMUNITY FIELD TRIPS (morning)*
- Field work debriefing and compiling (PM)
- Team research + Inventory & Analysis

**Working session:**
Topical/contextual due diligence + prep conversations w/team advisors (afternoon)

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**FRIDAY**  
1.13.17

**Agenda**
- 9-12 Work Session
- 12-1 Lunch Break
- 1-5 Work Session

**Program:**
- Design Kick-off: Best Practices/Case Studies + Programming + Design

**DESIGNWEEK MILESTONE #1 (AM DELIVERY):**
- Inventory/Analysis Summary + Design Approach

**Activities:**
- Community Inventory/Analysis + Programming proposal presentations to team advisors (morning)
- Initiate immersive team design activities
- 10:00 am, KAM 200
  - Jonathan Parsons: GIS lecture/workshop
- 1:30 pm, KAM 200
  - Chuck Flink: Case Study Lecture

**Working session:**
Program + concept proposal review/critique w/team advisors (afternoon)

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**SATURDAY**  
1.14.17

**Agenda**
- 9-12 Work Session
- 12-1 Lunch Break
- 1-5 Work Session

**Program:**
- Design + Production

**Activities:**
- Student team design development

**Working session:**
Student team design + production workday

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**SUNDAY**  
1.15.17

**Agenda**
- No formal activities.
- Open workday. Coordinate reviews with team advisors

**Program:**
- Design + Production

**Activities:**
- Team advisor + visiting expert(s) desk critiques

**Working session:**
Student team design + production workday

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**MONDAY**  
1.16.17

**MLK Jr. Holiday**

**Agenda**
- Final graphics + production

**Program:**
- Production

**Activities:**
- Final production workday
- Team advisor desk critiques

**Working session:**
Student team production workday

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**TUESDAY**  
1.17.17

**Agenda**
- Final graphics + production

**Program:**
- Production

**Activities:**
- Final production workday
- Team advisor desk critiques

**Working session:**
Student team production workday

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*Note: Dates/times scheduled for field trips and community liaison meetings are subject to change.*
**WEDNESDAY 1.18.17**

**Agenda**
- Final submissions

**Program:**
- Project Delivery

**DESIGNWEEK MILESTONE #2 (DUE 5PM):**
Full team proposals submitted

**Activities:**
- Student teams upload final proposals by 5pm
- Set-up public gallery via digital gallery exhibit (Rotunda + West + South Galleries)

**THURSDAY 1.19.17**

**Agenda**
- Faculty review + winning team notifications (PM) + student reflections

**Program:**
- Review + Reflect + Presentation Prep

**Activities:**
- Faculty/design advisors review + select winning teams (AM) 4-5 total; one 1st Place per community (3) + 1-2 Honorable Mention(s)
- Informal viewing of student proposals via digital gallery exhibit (Rotunda + West + South Galleries)
- Winning teams notified (mid-day)
- Winning teams prepare final oral presentations + rehearsal w/team advisors (PM)
- All students/teams complete DesignWeek reflection
- All teams prepare for informal (gallery style) presentations

**FRIDAY 1.20.17**

**Agenda**
- See Activities column for detailed final day program

**Program:**
- Presentations
  - 1 selected team per community + 1-2 honorable mentions (5 total, max).
  - All 12 teams present informally during reception.

**DESIGNWEEK MILESTONE #3 (AFTERNOON):**
Final exhibition and presentations of student work

**Activities:**
- 12:00 pm – 12:30 pm: Set-up + Arrival
- 1:00 pm – 3:45 pm: FORMAL PRESENTATIONS TO RESPECTIVE COMMUNITY REPRESENTATIVES + PARTICIPATING FACULTY
  - 10 minutes w/20 minute discussion per team
  - Integrated 15 min. break
- Concurrent digital gallery exhibit (South + West Galleries)
- 3:45 pm – 5:00 pm: Reception + Discussion + Reflection
  - All student teams informally present + discuss (gallery style) during reception
  - Reception + students post-event (exit) surveys
  - Visit discussions with affected communities re: possible opportunities for long(er)-term engagement
  - AFFECTED COMMUNITIES, EXPERTS, AND AGENCY REPRESENTATIVES ATTEND

**DAY 10**

The complexity of the challenges you will face during DesignWeek can be overwhelming and time consuming. However, it will be important for your team to periodically review your work and the overall schedule to deliver compelling concepts while maximizing your time, energy, and resources. This framework is designed to help your team manage your time and be prepared to receive critical feedback from your advisors at key stages in DesignWeek. Please review this document often, and feel free to forward questions to any of the advisors. Students are individually responsible for submitting their final reflections (Part 3) into their respective studio instructor at the conclusion of the event (submission deadline per instructor).

**Motor Framework**

1. What is your proposal for solving the problem or dealing with the issues? What are the underlying assumptions made?
2. What is the scope of work that needs to be undertaken/accomplished and delivered?
3. Explain the proposal and define the measures of success, including rationale and supporting evidence.
4. Develop it to a level that satisfies measures of success (both required and self-imposed), addresses trade-offs, and communicates the issues/opportunities to your respective community.
5. Evaluate it. What are the trade-offs: advantages/disadvantages, and to whom?

**Part 1: Project Definition**

**Process Framework (Wednesday, 1/11 – Thursday, 1/12)**

1. What is the issue or problem? Describe the issue and why it is important? To whom is it an issue, and why (i.e., what issue(s) or problem(s) inform their point of view)?
2. Working in teams?
3. What is your strategy for proceeding? What is your work plan, knowing that it needs to be agile in order to expect the unexpected?
4. What did you discover/learn? How will you use this information in your design process to generate solutions to the problem(s)?

**Part 2: Proposal for Action**

**Process Framework (Friday, 1/13 – Wednesday, 1/18)**

1. What is your proposal for solving the problem or dealing with the issues? What are the underlying assumptions made?
2. What is the scope of work that needs to be undertaken/accomplished and delivered?
3. Explain the proposal and define the measures of success, including rationale and supporting evidence.
4. Develop it to a level that satisfies measures of success (both required and self-imposed), addresses trade-offs, and communicates the issues/opportunities to your respective community.
5. Evaluate it. What are the trade-offs: advantages/disadvantages, and to whom?

**Part 3: Learning Outcomes Assessment**

**Process Framework (Thursday, 1/19 – Friday, 1/20)**

What did you learn?

1. About the problem, i.e., flooding, specific community issues, etc?
2. Working in teams?
3. Collaborating with individuals from other disciplines?
4. About your design process?
5. What you might do differently in the future?
SUBMISSION REQUIREMENTS*

Project Title (Name):
A submission must have a short, specific presentation title (containing no abbreviations) that indicates the nature of the presentation.

Project Statement:
In 175 words or less, described the project and why it’s award-worthy. This statement may be used in promotional materials if the project is selected for an award. NOTE: Failure to submit this statement will lead to disqualification of entry.

Project Narrative:
Addressing the criteria for the Analysis and Planning category, describe in 1275 words or less the project’s goals and objectives, what kinds of environmental and social data were collected and analyzed, methods of analysis, how options were considered, how interested parties were involved in the project, how design was used in the process, how the project was or would be implemented, and how project is or will be administered and/or monitored, and other significant issues.

Images:
Project images must include at least one (1) site/master plan and ten (10) but no more than fifteen (15) total drawings and/or photographs in a single .PDF file not to exceed 10 MB and 15 pages. Brief captions of no more than 40 words each are to be placed at the bottom of each image. Label the .PDF file with the team name. NOTE: Failure to submit required number of images or within specified file size parameters will result in disqualification.

Recognition:
The DesignWeek Awards Jury may select up to one Winner and one Honorable Mention (two total, max.) within each of the designated communities (six total).

*Special notes:
- All submission guidelines adopted from the ASLA Awards Analysis and Planning category requirements. All winning DesignWeek teams (six total) will have the opportunity to submit their full proposals for consideration in the 2017 ASLA Student Awards program. It is anticipated that each of the proposals will be entered into the Analysis and Planning category; however revisions may be required for submission into a more appropriate category (TBD by faculty and individual teams on a case by case basis). The entry costs will be covered by the NC State Department of Landscape Architecture. To enter, all official entrants must be active and eligible ASLA student members.
- Each team is responsible for clearing photographs with photographers for publication and reproduction by the NC State Department of Landscape Architecture, ASLA, and NCASLA. The abovementioned parties will provide proper photography and other project credits when using photos, but will not assume responsibility for any copyrights or photography fees. If teams are submitted and selected as winners within the ASLA competition, ASLA retains the right to publish photos submitted in winning entries in Landscape Architecture Magazine, on the ASLA website, in promoting the awards program, and in other products in conjunction with promoting landscape architecture.

EVALUATION CRITERIA

All proposals that meet the submission requirements will be evaluated on the morning of Thursday, January 19. A jury comprised of faculty and Contributing Advisors will conduct the on-site evaluations (Brooks Hall). Digital submissions will also be sent to the respective community liaisons for evaluation, ranking, and reporting.

The jury will consider the quality of the analysis and planning effort; context; environmental sensitivity and sustainability; likelihood of successful implementation; and value to the client, the public, and other designers. Each of these criteria will be evaluated through three lenses:

Process
The jury will consider the rigor by each team questioned, researched, and developed their proposed solution(s). The jury will use Parts 1+2 of the DesignWeek Process Framework as an assessment instrument.

Content
The jury will consider the quality of each proposal as it pertains to the project’s primary framing questions, which include:
- Design and Planning
  - How do your strategies position design and planning to affect positive change? How can design add value to short- and long-term approaches?
- Legal and Policy Considerations
  - What laws are you assuming support your work (current or future)? What policies need to change to support your conceptual approaches?

RECOGNITION

Upon submission of the final materials, participating faculty and visiting project advisors will evaluate all team proposals. The evaluations will result in the selection of First and Second Place Awards for each community (six total awards). Recognition as a DesignWeek awardee will result in the following outcomes for each team:
- Formal presentation to community representatives and Department of Landscape Architecture student body, faculty, staff, and alumni during the final day program.
- Framed Department of Landscape Architecture DesignWeek Award certificate.
- The Department of Landscape Architecture will pay the entry fees for submission in the national and state ASLA Student Awards programs.
- Possible in-situ presentation to each team’s respective community.

CRITERIA

EVALUATION

- Pathways Forward
  - How do you see your strategies being implemented? Where does the community start? How do they maximize their resources and leverage new resources?
  - How do you imagine your strategies being implemented?
  - How does the community become involved/engaged in the process?

Communications

- The jury will consider the effectiveness of message presentation, the innovation in approach or delivery, and the value to the intended audience.

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FORUM PANELISTS

Kofi Boone, ASLA
Kofi Boone is an Associate Professor and University Faculty Scholar in the NC State Department of Landscape Architecture. He focuses on the changing nature of communities, and developing tools for enhanced community engagement and design. Through scholarship, teaching, and extension service, Professor Boone works in the landscape context of environmental justice, and his research includes the use of new media as a means of increasing community input in design and planning processes. Professor Boone has developed the use of digital tools to more effectively engage Environmental Justice communities.

Chuck Flink, FASLA, PLA
Charles A. “Chuck” Flink is President of Greenways Incorporated and Executive in Residence in the NC State Department of Landscape Architecture. He is widely regarded as one of America’s leading greenway planners, having completed comprehensive greenway, trail, and open space plans for more than 240 communities in 37 States. He has also been a consultant to clients in Argentina, Australia, Brazil, Canada, China, the Czech Republic, Hungary, Japan, and St. Croix, USVI. Chuck is a Fellow in the American Society of Landscape Architects and is the 2006 Distinguished Alumnus for the College of Design at North Carolina State University.

Dan Howe, FASLA, AICP (moderator)
Dan Howe is an Assistant Professor of the Practice in the NC State Department of Landscape Architecture, and operates a small planning, writing, and public facilitation consulting practice, Perry Street Studio, LLC in Raleigh. He served for a number of years in various planning and urban design capacities for the City of Raleigh, retiring as Assistant City Manager in 2014. Dan currently serves on the Board of Directors of the Appalachian Trail Conservancy and the COR Museum, is a member of Raleigh’s Bicycle/Pedestrian Advisory Commission, and the Wake County Citizens Energy Commission.

Gavin Smith, Ph.D., AICP
Dr. Gavin Smith is a Research Professor and Director of the US Department of Homeland Security’s Coastal Resilience Center of Excellence at the University of North Carolina Department of City and Regional Planning. His research interests include hazard mitigation, planning for post-disaster recovery, and climate change adaptation. Translational activities include advising international, federal, state and local governments on a number of issues including the linkage between sustainable development and risk reduction, pre- and post-disaster policymaking, and improving the nexus between disaster management initiatives and emerging climate change adaptation measures.

Elizabeth “Libby” Turner
Libby Turner is a member of the Federal Coordinating Officer (FCO) Cochrane of the Federal Emergency Management Agency (FEMA). In this capacity, she serves as the representative of the President in executing the coordination of Federal activities and resources in support of state, tribal, territorial, and local communities. While with FEMA, Ms. Turner has served in more than forty disasters and special assignments including Hurricane Sandy in New Jersey and the EF5 tornado that struck the Joplin, MO area in 2011. Prior to FEMA, Ms. Turner served for fourteen years with the American Red Cross at the national, state, and local levels. Ms. Turner has extensive experience providing coordination with other federal, state, tribal, and local partners, and disaster recovery and recovery coordination.

Carla Delcambe, PLA
Carla Delcambe is a landscape architect and Teaching Assistant Professor in the NC State Department of Landscape Architecture. Prior to arriving at NC State, Professor Delcambe was a Senior Landscape Designer at Olm Partnership where she worked on a variety of project types encompassing urban design, master planning, and public gardens. Her scholarship is focused on environmental and ecological issues, particularly those related to sustainable design, stormwater management and brownfield redevelopment.

Robby Layton, Ph.D., FASLA, PLA, CPRP
Robby Layton is a landscape architect and founding principal of Design Concepts, CLA, Inc., an award-winning landscape architecture and planning firm in Boulder, Colorado. His projects span four decades and address a wide range of challenges, but all of them converge on the theme of creating community. His recent work has focused on strategic planning for systems of parks, greenways, open space and other public amenities. He recently received a PhD from the NC State College of Design, where he investigated level of service (LOS) models for the allocation of public green space.

Emily McCoy, ASLA, PLA
Emily McCoy is a landscape architect, Director of Integrative Research, and Associate Principal at the ecological planning and landscape architecture firm Andropogon Associates. She also serves as an Assistant Professor of the Practice in the NC State Department of Landscape Architecture and is a member of the Landscape Architecture Foundation’s Education Committee. Her work contributes to the knowledge base of landscape architecture by exploring the interplay between professional practice and research, including past professional experience as a horticulturist and researcher.

FACULTY ADVISORS

Kofi Boone, ASLA
Please refer to the biographical information listed in the Forum Panels section above.

Gene Bressler, FASLA
Gene Bressler is professor and head of the NC State Department of Landscape Architecture. Professor Bressler serves on the Dean’s Administrative Council and Steering Committee for the College’s Annual Urban Design Forum, the Campus Review Panel, and the Provost’s Department Head Advisory Council. He also sits on the Executive Committee of the North Carolina Chapter of the American Society of Landscape Architects, NC State College of Design PhD Faculty, and the University’s Environmental Science Faculty. His areas of research and teaching focus on urban growth, sustainable development, and planning and design strategies for “Challenging Suburbia.”

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Chuck Flink, FASLA, PLA
Please refer to the biographical information listed in the Forum Panels section above.

Andy Fox, ASLA, PLA
Andy Fox is a landscape architect, Associate Professor, and University Faculty Scholar in the NC State Department of Landscape Architecture. He is also the co-founder and co-director of the Coastal Dynamics Design Lab, an interdisciplinary research and design initiative housed within the NC State College of Design that addresses critical ecological and community development challenges in coastal regions. His teaching and research focus on design for coastal regions, integrative digital simulation processes, and architectural prototype design and production in contemporary practice.

David Hill, AIA
David Hill is an architect, Associate Professor, University Faculty Scholar, and Interim Head of the NC School of Architecture. He is also the co-founder and co-director of the Coastal Dynamics Design Lab, an interdisciplinary research and design initiative housed within the NC State College of Design that addresses critical ecological and community development challenges in coastal regions. His teaching and research focus on design for coastal regions, integrative digital simulation processes, and architectural prototype design and production in contemporary practice.
Jonathan Parsons, ASLA, PLA, LEED AP BD+C, GRP
Jonathan is a landscape architect and Senior Associate at DHM Design in Raleigh. He also serves as an Assistant Professor of the Practice in the NC State College of Landscape Architecture. His work is focused on improving community fabric through inclusive site design and planning, including specialization in urban redevelopment and regional open space planning. His research is focused on the use of technology to assist communities better understand the relationships between people and the environment.

Celen Pasalar, Ph.D.
Dr. Celen Pasalar is an Associate Professor of Landscape Architecture and Assistant Dean of Research and Extension at the NC State College of Design. Her research interest involves architectural design, urban design, the relationships between human behavior and the built environment, such as urban streets, public spaces, and educational settings. Her research also focuses on community design, downtown revitalization, the role of design and its impact on the quality of life and the natural environment, smart growth, new urbanism, and children’s environment.

Art Rice, FCELA
Art Rice is a Professor of Landscape Architecture and Associate Dean of the NC State College of Design. His research for the past ten years has concentrated on improving design education. Professor Rice is the author and co-author of numerous articles related to research on the impact of visualization media on design and the understanding of space and the role of metacognition on the development of creativity abilities.

Gavin Smith, Ph.D., ACIP
Please refer to the biographical information listed in the Forum Panels section above.

Rodney Swink, FASLA, PLA
Rodney Swink is a landscape architect and Professor of the Practice in the NC State Department of Landscape Architecture. Professor Swink was for 24 years the Director of the North Carolina Main Street Program. He presently serves as the Chief Development Officer with PlaceEconomics, a Washington, DC-based real estate and economic development consulting firm that specializes in services to public and nonprofit-sector clients who are dealing with downtown and neighborhood commercial district revitalization and the reuse of historic structures. He specializes in helping local governments, non-profits, individuals, and firms interested in creating better community futures built around a thriving center.

Jesse Turner, ASLA, PLA
Jesse Turner is a professional landscape architect and Director of LH Environmental Design in Durham. He also serves as an Assistant Professor of the Practice in the NC State Department of Landscape Architecture and a steering committee member of the Cultivates Native Plants Conference at Western Carolina University. He is dedicated to deepening the knowledge of natural systems in efforts to protect and create ecologically sustainable landscapes. He achieves this through a process that combines design excellence with ecologically sensitive design and evidence-based approaches to solve environmental problems.

Leslie Bartlebaugh, ASLA, ISA Cert. Arborist
Leslie Bartlebaugh is an urban designer with a background in ecology, environmental design, and landscape architecture with broad experience in the horticulture, construction, and natural resource industries. At the Urban Design Center of the City of Raleigh’s City Planning Department, she currently focuses on design and design policy of public infrastructure and public realm projects that promote ecology, stormwater management, and education—specifically Low Impact Development (LID) stormwater strategies—as well as projects involving streetscapes, urban wildlife habitats, and public art.

Chris Crew, CFM
Chris Crew joined North Carolina Emergency Management’s Hazard Mitigation team in 1998 and has served as State Hazard Mitigation Officer since 2005. Notable accomplishments of the unit during his tenure include regular participation in FEMA’s Hazard Mitigation Grant Program, the Pre-Disaster Mitigation Program and the Flood Mitigation Assistance program. From 2005-07 Crew successfully administered the $42 million mitigation and public assistance portions of the $247 million state-funded Hurricane Recovery Act of 2005. In 2014, under his leadership, NC became one of only 12 states to earn Enhanced Plan status for the State Hazard Mitigation Plan. In addition to NC’s mitigation efforts, Crew has experience in community development, business management and operations and residential construction.

Charles Dillard, MLA, MCRP
Charles Dillard is an urban designer and planner with the Raleigh Urban Design Center, and has a diverse background in planning, urban design, and landscape architecture. Charles focuses on urban design policy, area and corridor plans, and special studies, including Raleigh’s Accessors, Duelling Unit policy and conceptual development scenarios for strategic sites. Prior to joining the City of Raleigh, Charles managed FEMA-funded coastal resilience studies in post-Hurricane Sandy New York City for NYC City Planning.

Caroline Dwyer, ACIP
Caroline Dwyer is a Senior Planner with Renaissance Planning in Durham, NC. Caroline has worked on numerous urban design projects investigating the intersections of environment and land use including community recovery following natural disasters, “green cities,” comprehensive planning and sustainability, and community resilience following Superstorm Sandy. Caroline’s professional work has provided her with experience in economic and community development, community capacity building, strategic planning, smart growth strategies, and a variety of techniques for facilitating community engagement and outreach.

Joseph Michael, AIA
Joe Michael is an urban designer and architect at Raleigh’s Urban Design Center, where he leads the Civic Design and Implementation division. He has over 10 years of experience in the private sector, most recently as an Associate Principal with Kohn Pedersen Fox. There he was a senior designer for the Mission Yard Redevelopment Project, currently the largest private real estate development in U.S. history. He has extensive experience in urban infill and mixed-use development, architecture, sustainable design, and master plan implementation.

Roula Qubain, AIA, LEED AP
Roula Qubain is an architect with over 25 years industry experience. She is the Board Chair of Urban Design Assistance for Communities Under Stress (UDACS). Her community involvement includes serving on the board of directors for the Tammy Lynn Center for Developmental Disabilities and on the NC State Design Guild Board.

Dhanya P. Sandeep, AICP
Dhanya Sandeep is a Senior Urban Designer and Planner with the Raleigh Urban Design Center who leads the Design Assistance division. She has over 15 years of experience locally and internationally in the field of city planning, urban design, and architecture working in both private and public sectors. She has expertise in areas of comprehensive planning, urban design and policy analysis, zoning regulations, public retail design, and community engagement. She has managed planning studies and watershed protection regulations for Raleigh that integrated sustainable design practices.

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Jesse Turner, ASLA, PLA
Please refer to the biographical information listed in the Faculty Advisors section above.

Kehla West, MS
Kehla West is the Recovery Planning Coordinator for FEMA Region V, Chicago. Prior to working on Hurricane Matthew recovery in North Carolina, she worked disasters in South Carolina, Alabama, and Colorado. She holds a MS in Urban Planning from the University of Iowa and undergraduate degrees from Indiana University.